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UNIVERSITY OF CALIFORNIA
MUSEUM OF VERTEBRATE ZOOLOGY

Green, J. E.
1927–1928

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Green, J. E.
San Miguel Island, Santa Barbara Co., Calif.
1927

Green
1927

Berkeley Calif.

Sept. 16, 1927

We left Berkeley at 2 pm. on an Expedition for San Miguel Island. I and Mr. Lamb drove the museum ford carrying the usual equipment. We put down our cots by the roadside just this side of San Louis Obispo at 12 midnight after an eventfull drive.

Green
1927

Santa Barbara

Sept. 17, 1927

On the road again at 6.45. We arrived in Santa Barbara at 1 pm. Rest of the afternoon busy getting equipment together and getting a boat to go to the island.

Oran
1927

San Miguel Island
Southern Calif. Sept. 18, 1927

We left Santa Barbara in the early A.M. The boat was a small fishing boat piloted by a Chas. Hansom. We saw numerous Shearwaters and Petrels all the way across. We shot several Shearwaters. When we were a-bout two thirds of the way across it was quite windy causing the water to be very choppy. We arrived at 1:30 p.m. The cove is very windy. We had time to unload and take one sled load up to the Ranch House. The road is very steep and narrow. The sled is drawn by a single horse and consequently only 150 lbs. may be taken at a time. We had time to take only one load up to the house as it is a mile and a half from the

Green
1927

San Miguel Island, Calif.
Santa Barbara Co. Sept. 18, 1927
landing. It takes over 2 hrs. to make the round trip from the house to the landing and back. The Island is very windy and sandy resulting in many small sand storms. There is much Ice plant loco weed and grass where there isn't so much sand.

Green
1927

San Miguel Island, Calif.
Santa Barbara Co. Sept. 19, 1927

Worked all morning bringing load up from the shore & Worked on Shearwaters in the Pm. and set traps.

Green
1927

San Miguel Island
Santa Barbara Co. Calif. Sept. 20, 1927

Out of 14 mouse traps set I caught 8 mice last night and only 2 this Am. But 8 traps were missing this morning I think they had mice in them and the wild tame cats ran off with them. There were 3 female and 8 male.

I set 5 sets of steel traps for fox and two traps were sprung but the sets contained nothing. We went over a barron stretch of sand ice plant soap stone and petrefied wood to the west side of the island. Horned larks and linnets were the only bird we saw going over, and I heard a few rock wrens. The birds are very wild. On the west side I saw gulls and ravens and one small bunch of shore birds. It was very windy all the way over

Green
1927

San Miguel Island
Santa Barbara Co., Calif.
Sept. 20, 1927

and so windy on the shore that the breakers would (that is the spray) would be blown 15 yds. before it settled.

660 Peromyscus ♂ 18.5g 156-67-21-18
Trapped in gully

? 661 not found " ♀ 15.8g-153-63-20-17
Trapped in gully

Green
1927

San Miguel Island
Santa Barbara Co. Calif.
Sept. 29, 1927

I set 15 mouse traps in a grain shed last night. I got on mouse last night and two this morning. There are 2 female and one male. I set 10 sets for fox. This a.m. I caught two raven but not a fox. We will change the trap line today.

663 Peromyscus ♀ 25.g, 165-70-20-16
Grain shed.
664 " ♀ 19.5 g., 159-66-20-16
~~665~~ Grain shed
665 " ♂ 15.g., 150-66-20-17
Grain shed
666 Rock Wren 18.g - shot in dry gully. ♂
667 Raven 907.g Caught in steel trap. ♀
~~668~~

We changed to west side of the Island to trap. There the land slopes quickly from a high mesa to a low mesa going down to the beach. These are full of gullies in which we set our traps.

Green
1927

San Miguel Island
Santa Barbara, Co. Calif.
Sept. 22, 1927

Out of 25 traps set we caught 9 *peromyscus* last night and 2 this morning. We set 9 steel sets and caught one *fox*. Three other sets were sprung, one showing the *fox* had been held a while before getting away.
We caught 6 female & 5 male *mice*.
As I came over the brow of a hill I had a long shot at a *fox* but didn't get it. The steel traps were set in gullies on the south west side of the *Island*. Over there I saw a *heron* sitting away out on the kelp. There were many *sea lions* and very tame playing and fishing in the surf.

stomach, skull & skeleton next Page
668 *Fox* ♂ 2257.g. 645-160-115-70
Note (Bob Tail). Caught in gully on beach
669 *Hudsonian Curlew* ♂ 282g. ad.
Shot on sandy beach.

Green
1927

San Miguel Island

Santa Barbara Co., Calif.

Sept. 22, 1927

for permanent deposit elsewhere

670 Turnstone 115.g. ♂ ad.
Beach & rocks

671 Sanderling 55.g ♀ ad.
Beach at breakers

672 " 50.g ♂ ad.
Beach at breakers

673 Wandering Tattler. ad. 142.g. ♂

668 Skull of Fox ♂
668 Skeleton of Fox ♂
668 Stomach of Fox ♂

The south end of the Island is covered with ice plant 6 to 10 inches deep. There are high bluffs ~~ex~~ extending to the water. With an occasional beach and rocky point. On a calm day many fox tracks may be seen all over the Island.

Green
1927

San Miguel Island
Santa Barbara Co., Calif.
Sept. 23, 1927

Nine steel traps set, 2 fox caught both female.

674 Fox 2305.g, 650-170-115-70, ♂
Caught by Mr. Lamb near house on level platane in gully.

675 Fox - caught in gully 1/4 mile from beach. ♀ 1870.g 680-205-15-62

675 Complete skeleton of fox. In formalin

674 Skeleton of Fox ♂

674 Skull of Fox ♂

674 Stomach of Fox ♂

We set a few sets east of us on the north east side of the Island. There are some deep gullies there with many tracks which look very promising for more fox on the morrow.

Green
1927

San Miguel Island
Santa Barbara Co., Calif.
Sept. 24, 1927

Nine fox traps set resulting in two females. Same sets on south west side of Island. Four traps set by us on east side resulting in one dog and two females.

676 Fox ♀ 645-165-115-60, 2630.g.
Gully 1/4 mile from beach, west side
676 Skull ♀
676 Skeleton complete. ♀
676 Stomach contents. ♀

677 Fox ♀ 1935.g. 590-110-114-60
677 Skull ♀ Caught in gully on
677 Skeleton ♀ top of Island.
677 Stomach ♀

678 Fox ♀ 2155.g. 650-173-115-60
678 Skull ♀ Caught in greasewood
678 skeleton ♀ on top of Island.
678 Stomach ♀

Green
1927

San Miguel Island
Santa Barbara Co., Calif.

Sept. 24, 1927

in permanent deposit elsewhere (679)

679 <u>Fox</u> ♀ 1070. g. 610-130-113-60
679 Skull ♀ caugt near beach in deep gully.

[illegible] permanent deposit elsewhere (680)

680 <u>Fox</u> ♂ 2111. g. 625-140-115-65
680 Skull ♂ caught near beach in deep gully.

I saw two new birds today, a <u>burrowing owl</u> and a <u>medow lark</u>. The <u>owl</u> was quite tame but the <u>lark</u> was wild. I brought in the traps from the S. West side having taken 5 fox in all. The N. East side looks better as we took 4 fox in two days with less than half as many traps.

Green
1827

San Miguel Island
Santa Barbara Co, Calif.
Sept. 25, 1927

Sunday.
Shot some mutton for the house and helped Mr. Roy fix water pipes. Spent the afternoon hunting for eagle. Three different eagle were soaring and diving around the entrails of the sheep I had killed.

[illegible]

Green
1927

San Miguel Island
Santa Barbara Co. Calif.
Sept. 26, 1927

681 Wandering Tattler ♀ 180g.
Skeleton Shot on a windy rocky Pt.
682 Turnstone ♂ 110g.
Skin Rocky Point.
683 Turnstone ♀ 143 g.
Skeleton Rocky Point

Hunted on rocky points nearest to Prince Island. I saw two wandering tattlers. I didn't see any Eagles today though I looked closely for them. The wandering tattlers are very wild. Set five traps east of here for fox, all in gullies. One set for Eagle near entrails of sheep.

Green
1927

San Miguel Island
Santa Barbara Co., Calif.
Sept. 27, 1927

Out of five traps set for fox caught one in deep rough gully. One set of traps for Eagle, none.) Also a Raven in one fox trap. The bait for fox was mice & sea gull.

684 Fox ♂ 2250 g. 720-195-120-65
Deep gully due N.E.
684 Skull. ♂
684 top of ~~the~~ fleas off of fox.
685 Horned Lark ♂ 35. g.
Fence post.
686 Song Sparrow ♀ 25. g.
Gullies
687 Song Sparrow ♀ 22. g.
Gullies
688 (Linnet) House Finch ♂ 23.4 g.
Gullies this & next shot together
689 House Finch ♂ 22. g
Gullies Skeleton
690 Rock Wren ♂ 18. g
Gullies
691 Rock Wren 18. g Im ♂
Gullies

Green
1927

San Miguel Island
Santa Barbara Co., Calif.
Sept. 27, 1927

692 Rock Wren ♂ 12 g
Gullies

693 House Finch ♀ 22.6 g.
Gullies Skeleton

694 Rock Wren ♂ 20 g
Gullies Skeleton

695 Song Sparrow ♀ 21.7
Gullies Skeleton

Hunted in the same gullies the fox traps were set in. Sparrows, Horned Larks and Wrens are very plentifull.

Green
1927

San Miguel Island
Santa Barbara Co., Calif.
Sept. 28, 1927
Six steel sets, nothing.

696 Gull (unidentified im ♀ 406 g.
Shot on beach near rocky point.
697 Song Sparrow ♀ 20. g
On high platane on fence wire
698 Skeleton { " " ♀ 20. g
on roll of fence wire
699 " " Ad ♂ 20. g
In deep gully on point of earth
700 " " Ad. ♂ 24. g
On ground near gully.
701 House Finch Ad ♀ 22. g
On roof of Barn
702 Rock Wren Ad ♀ 20. g
Gully
703 Horned Lark ♂
Fence wire
704 Song Sparrow ♂
Skeletons
Deep Gully
705 House Finch ♀
Barn tops
706 " " ♂ Barn tops
Hunted on beach and west of house.

Green
1927

San Miguel Island
Santa Barbara Co., Calif.
Sept. 29, 1927

Twenty five mouse traps caught 8 female 4 male. They were set in a gully about 8 ft. deep.

707 Peromyscus ♀ 15.g 145-63-20-16

708 skeleton " ♀ 15.g 154-66-21-16.5

709 " ♀ 19.g 156-67-20-16

710 " ♀ 15.g 155-70-21-16

711 " ♂ 17.g 161-71-21-17

712 " ♂ 16.g 158-69-20-15

713 " ♂ 17.g 157-71-20-16

714 Island Horned Lark 31.g im ♂
On Fence

715 Song Sparrow 21.g Ad. ♂
7 On Barn

716 " " 21.g Ad. ♂
Off Barn

717 Ff. Oyster Catcher Ad. ♀ 590.g Skeleton

Green
1927

San Miguel Island
Santa Barbara Co., Calif.
Sept. 29, 1927

717 Rock Wren 20.g. Ad ♀
Deep gully

718 Say Phoebe 25.g. Ad ♂
top of Deep gully

[illegible]

719 Island Horned Lark. 34.g. Im ♂
On ice plant

720 Gamble Sparrow 28.g Ad ♂
In Gully

721 Savanna Sparrow 22.g Ad ♂
On Roll of Wire

722 Song Sparrow 20.g Ad ♂
On fence in Farmyard

Took the boat out this morning and went around north point of cove looking for Puffins and Guillemots but found none. I did see however Baird Cormorants and White Winged Scooters which we hadn't seen before. I saw a bird hawk of the falcon type but smaller, evidently Sharp shin or [illegible] flew too far away to ascertain.

[illegible]

Green
1927

San Miguel Island
Santa Barbara Co., Calif.
Oct. 1, 1927

723 for permanent deposit elsewhere Island Horned Lark Ad ♀ 30.g
On ice plant on platane medow
724 for permanent deposit elsewhere " " " Ad. ♂ 31.g
On medow, dry.
725 for permanent deposit elsewhere Song Sparrow Im ♀ 23.g
On bluff of deep gully
726 " " Ad. ♀ 23.g
On bluff rising from beach.
727 House Finch Ad. ♀ 25.7 g
On Fence around Barn
728 House Finch Ad. ♀ 27.g
Fence around Barn
729 for permanent deposit elsewhere " " Ad ♀ 24.g
Fence around Barn
730 for permanent deposit elsewhere " " Im. ♀ 24.g
On small bush on bluff rising from beach.

Hunted in boat in the morning, tried to get Baird Cormorants and White winged scoters, but the day was too calm & clear and the birds were very wild. I saw 5 eagles at one time very high. The Ravens

[illegible]

Green
1927

San Miguel Island
Santa Barbara Co., Calif. ~~Sept~~ Oct. 1, 1927
were traveling in groupes of
7 to 10 to-day but before they
had traveled in groupes of
from 2 to 4. I saw a flock of
White Winged Scoters which must
have numbered at least a thousand
evidently going south. I also
saw 7 Eared Grebes to gether.
I saw another Osprey to day
and A Redtailed Hawk for
the fourth time.

Green
1927

Sunday San Miguel Island
Santa Barbara Co., Calif.
Oct. 2, 1927

731 Great Blue Heron Im. ♀ 2340. g.
Shot by Mr. Lamb on rocks on beach above tide level in cove on island near Boat House

We took out boat this A.M. and spent rest of the day cleaning up and working on heron

Green
1927

San Miguel Island
Santa Barbara Co., Calif.
Oct. 3, 1927

732 House Finch Ad.♀ 20.g
Top of Barn

733 " " Ad.♂ 20.g
Top of Barn

734 " " Ad.♀ 22.g
Top of Barn

735 Song Sparrow Ad♂ 24.g.
Top of Gully

736 Rock Wren Im.♂ 18.5 g.
Side of Gully.

Out in the boat this morning I saw a pair of Surf scoters both adult males. I saw another immature eagle sitting on a rock at tide level. Also a pair of Duck Hawks. The Hawks and Eagles are very wild. I set five steel sets in deep gully north east of the house.

Green
1927

San Miguel Island
Santa Barbara Co., Calif.
Oct. 4 1927

Five steel sets caught nothing.

737 Song Sparrow ~~Ad~~ 22.5 g Ad ♀
On roll of wire in Gully
738 for permanent deposit number " " Ad. ♂ 24. g
On roll of wire in Gully
739 House Finch Ad ♀ 22. g
On sandy bank near spring
740 " " Ad ♀ 23. g
On sandy bank near spring
741 Horned Lark Ad. ♂ 30. g
On ice plant, side of Hill
742 " " Ad ♀ 32. g
On sand bank near spring
743 " " 31.5 g
On sandy bank near spring.

The boatmen arrived today to take us back to Santa Barbara we will leave tomorrow.

Green
1927

San Miguel Island
Santa Barbara Co., Calif.
Oct. 5, 1927

Left the Island this A.M. at 8.30 We arrived in Santa Barbara at 2.30. The ocean was quiet except for a deep swell. We saw very few shearwater as compared with before.

Green, J. E.
Lower California
1927-1928

Lower California

Gazeteer of localities, pp. 19-32 of published report:-

A distributional summation of the ornithology of Lower California
by Joseph Grinnell
Univ. Calif. Publ. Zool., vol. 32, no. 1, pp. 1-300; November 6, 1928

Specimens collected belong to Accession #2997, (San Miguel Id.) and are included in
Bird Catalog #51442-51594
Mammal Catalog #38351-38397

Accession #3006 (Lower Calif.)
Bird Catalog #52062-52754
Mammal Catalog #39007-39705
Rept. & Amp. Catalog #10688-10733

Green
1927

Colorado River

Lower Calif., Mex. 20 miles S. of Pilot Knob.
Oct. 11, 1927

We arrived here at noon today. The weather is exceedingly warm and the mosquitoes numerous. The spot is called Pescadero slough There is a long levee here, about ~~...~~ a mile & a half long. During the flood season there are many men here fighting the river. But just now there is only one watchman here. The land here is river bottom land with tulles over 15 ft high where there is seepage thru the leve. In these tulles there is a continuous chorus of Blackbirds in the evening when they arrive here to roost. There is a water tank here standing by the railroad which runs to Andarade It is owned by the C.& M. outfit and they also own almost all of the land this side of the river as far as 15 to 20 miles below the border. This land is covered with cotton plantations making it

Green
1927

Colorado River
Lower Calif, Mexico 20 miles S of Pilot Knob
Oct. 11, 1927

very impractical to collect further north. There are many bats which spend the day under a ~~tank~~ tank here. They flew out in numbers of about 25 in a bunch. I would estimate that there were at least 75 under there. The tank is a-bout 20 ft from the ground. It is on the under side of a reinforced platform of boards that they were clinging to. There were at least a dozen night hawks flying around tonight as twilight came on. They all flew high at first but slowly coming lower to a-bout 50 ft. off of the ground. I saw a-bout 6 large White Egrets on the river looking N. east from the levee. Also a few great blue herons and a few yellow legs. There are Red winged Blackbirds and Yellow headed Black birds here. I saw Marsh Hawks, Black Phoebe, heard Rock wren & towhee. There are

[illegible]

Green
1927

Colorado River
Lower Calif Mexico 20 mi. S. of Pilot Knob

Oct. 11, 1927

tracks of Bobcat, coyote, coon, skunk & little spotted skunk. There are many lizards. The dryer part of this land is covered with a dense growth of arrow-weed. The slightly moist sections being covered with tall willows about 15 to 20 ft tall. As we drove along the road a quarter of a mile from here through these tall willows, which hung over the narrow road, many small inch worms & and hairless catter pillars were brushed off of the willows in to our laps. I set out 25 mouse traps tonight near camp on the edge of a clearing on the border of a heavy growth of arrow weed.

743 Lizard.
A very small lizard I caught in the tent.

Green Colorado River
Lower Calif., Mexico 20 mi. S. of Pilot Knob
1927

Oct. 12, 1927
(25 mouse traps caught nothing).

744 Dipodomys ♀ 32 g. 240-130-36-10
Arrow Weed and Dry silt.

745 Onychomys ♂ 20 g 140-53-23-15
Arrow weed and dry silt

746 Mus Musculus ♂ 15 g 158-86-19-11
Caught in House.

747 Say Phoebe 21 g. ♀
On wire; telephone line.

748 Road Runner 357 g. ♂
On railroad track

I hunted in both dry & wet country today. Judging by tracks there are plenty of large mammals around but not so many small mammals. The tracks I took to be little spotted skunk are Musk Rat tracks. As I walked a long the levee to-night I saw two muskrat one of which I shot. They were in the water a-bout a foot from the muddy bank. There are small clumps of driftwood here and the levee has a foundation of granite rocks.

Green Colorado River
1927 Lower Calif., Mex. 20 mi. S. of Pilot Knob

Oct. 12, 1927

The muskrat that swam a way swam very fast out into a 5 or 6 mile current and seemed right at home. The birds are plentifull enough but on the dryer portions of land the arrow weed and willows afford wonderfull concealment and block any stalk which I tried to make. The river travels at a rate which makes it impossible to recover any thing which should be shot over it. The swamps are so thick with tall tulles that one cannot penetrate them with any favorable results. It gets very hot here in midday and there are plenty of mosquitos. I saw another muskrat which Mr. Lamb shot at but missed as it half swam down the river. I saw a half dozen woodrummers today around

Green
1927

Colorado River
Lower Calif., Mex. 20 mi. S. of Pilot Knob

Oct. 12, 1927

The railroad ~~bed~~ tracks. Song sparrows are numerous. Blackbirds of both species before mentioned are also numerous. The others I saw and recognized are.

~~Rock~~

Rock Wren 3.
Yellow throat 1
Intercant Warbler 1
Song Sparrows – many
Great Blue Heron 2
Large white Egret. 2
Sand Hill Cranes – flock of 50 traveling south over head.
Cormorant 1.
Yellow legs 2.
Red tailed Hawk 1
Buzzard 3
Great Blue heron several
Raven Heard more than I saw.
Crow 2.
Black Crowned Night heron. 6
Cooper Hawk 2
Marsh Hawk 1
Sparrow Hawk 3
Barn Swallow – many

Green
1927

Colorado River
Lower Calif., Mex. 20 mi S of Pilot Knob.

Oct. 12, 1927

Morning Dove 25
House Finch 2
Say Phoebe 3
Black Phoebe 2
Yellow Headed Blackbird many
Red Winged " many
Western Gnatcatcher 3
Nighthawks a dozen or so.
Marsh Wren 1
Albert towhee 3
Heard Flicker & woodpecker.
Saw either Nuttall or the willow woodpecker
The evening while setting traps I shot a Sparrow Hawk which was flying with a night hawk. I set mouse traps on levee and two steel sets.

[illegible]

[illegible]

Colorado River
Lower Calif., Mex. 20 mi. S of Pilot Knob.

Oct. 13, 1927

Fourteen ~~steel~~ mouse traps caught two perognathus one house mouse. Two steel sets caught nothing.

749 *penicillatus* Perognathus ♀ 19.4 g. 175-90-25-4

750 Peromyscus ♀ 21.5 g. 170-81-21-13

751 " ♀ 23. g. 168-85-21-13

752 " ♂ 21. g. 175-82-21-12

753 " ♂ 22. g. 177-90-21-13

754 " ♂ 21. g 163-72-21-13

755 Musk Rat. ♂ 670 g. 475-200-68-5

756 Black Phoebe im. ♀ 17. g.

~~757 Sparrow Hawk 120 g.~~ See Mr. Lamb.

I set 2 muskrat traps in muddy marsh and one steel set for coyote plus the two steel sets already set.

Green
1927

Colorado River
20 mi. S. of Pilot Knob. Lower Calif., Mex.
Oct. 14, 1927

757 Thomomys 150. g 230-74-30-8
Bermuda grass damp sandy soil
758 " 153. g 232-73-30-3
Bermuda grass damp sandy soil
759 Peromyscus ♀ 14. g 145-65-20-12
Edge of tulles
760 " ♂ 25. g 170-75-20-12
Rocks on levee
761 " ♂ 20. g 190-94-21-12
Under arrow weed bush
762 Dipodomys ♂ 45. g 245-145-39-9
Under arrow weed bush
763 Onychomys ♂ 22. g 135-53-21-13
Under arrow weed bush sand soil.

I set a trap to-night in the road, a trible set and a blind set. This set with the other five making 6. The weather is so warm in the middle of the day it is imposible to go on a setting line then and the mosquitos are so thick when it starts to get cool that much trap setting time is wasted keeping off the mosquitos.

[illegible]

Green Colorado River
1927 20 miles S. of Pilot Knob, Lower Calif; Mex.

Oct. 14, 1927

The Night Hawks are everywhere at dusk. The bats that were under the tank have changed there resting place to the underside of the outer roof of a nearby bunk house since I scared them out in the day time. A flock of cow-birds flew over at twilight numbering a-bout 50 I shot once and got two we thought they were black birds. The ducks and geese are becoming more and more plentiful every day but they fly high & wide.

Gran
1927

Colorado River
20 mi. S. of Pilot Knob, Lower Calif, Mexico
Oct. 15, 1927

Six steel sets caught nothing.

764 Dipodomys ♂ 26.g 232-137-37-9
Arr Bush, sandy soil.

765 Raithradontomys ♀ 15.g 144-74-17-9
caught in tulles.

766 Onychomys ♀ 20.g 157-48-21-10
Weeds sandy soil.

767 " ♀ 21.g 132-45-21-12
Weeds sandy soil.

768 " ♂ 18.g 126-45-21-12
Weeds sandy soil.

769 Peromyscus. ♀ 25.g 170-73-20-14
Arrow weed + bushes.

770 Thomomys ♀ 134.g 230-75-31-4

I set another set of traps tonight making seven. It's set between two bunches of willows where there is an animal trail in the half dry mud. I saw a flock of quail today. a-bout 20 in the bunch but they saw me first and flew in to and over the thick willows. I also saw two Gila woodpeckers and one willow woodpecker. The towhees are plentifull but wild.

Colorado River
20 mi. S. of Pilot Knob, Lower Calif., Mexico
Oct. 16, 1927 Sunday.

7 steel sets caught nothing. The set in the road which had no bait had one trap sprung by coyote. The set in the swamp road with dove as bait was also sprung by a racoon.

771 Peromyscus (maniculatus) ♂ 25. g. 166-72-21-13
Caught in Tulles

772 ([illegible]) " ♀ 20. g. 171-83-21-13
Caught in Arrow Weed

773 (maniculatus) " ♀ 20. g. 183-92-21-14
Caught in Tulles

774 ([illegible]) " ♀ 19. g. 170-88-21-13
Caught in Arrow Weed

Saw two cotton tail rabbits this morning. This afternoon Mr. Lamb and I went out in the row-boat, we saw a Gull and numerous ducks, herons, egrets, and two vermillion flycatchers. When I went around my trap line this evening I found one set of these missing. The mexicans stole them. I saw 8 or more nighthawks sitting on the shadey side of the leve

Green
1927.

Colorado River
20 miles S. of Pilot Knob Lower Calif., Mex.
Oct. 16, 1927

It was just after the evening flight and awfully warm. This seemed unusual for them to set together however. I went to the spot and found nothing which in my mind would attract them. My conclusion is that they were resting on the shady side of the levee as it was cool and in the open where they had clear vision. This was about 30 minutes after sunset.

Grace
1927

Colorado River
20 miles S. of Pilot Knob, Lower Calif, Mex.
Oct. 17, 1927

Six steel set caught nothing.

775 Lizard

776 Dipodomys ♂ 244-144-40-9 23.g
Sandy soil Arrow weed.

777 Peromyscus ♂ 20.g 182-94-21-13
Caught in tulles

778 Sigmodon ♀ 50.g 220-94-30-12
Caught in tulles

779 Neotoma ♂ 177.5g 345-167-36-20
Deep in willow thicket

780 Shrike ♀ 45.g
On telephone line wire.

781 Thomomys ♀ 97.g 218-67-30-4
Under Weeds, sandy soil

782 Lizard

783 " Caught and shot

784 " in and around camp. Sandy soil.

785 "

786 Thomomys ♀ 155.5g 225-73-31-4
Set 25 mouse traps in gully very thick with a growth of arrowweed and other weeds. Sandy soil. This a.m. we took out the

Green
1927

Colorado River
Lower Calif Mex 20 miles S. of Pilot Knob.
Oct. 17, 1927

skiff and covered some of the small swamps, but we found we could get better results by wading as the water is very shallow and thick with willows. We saw many ducks & herons the black birds flew here and there around us constantly but not very close. This evening I shot a Black Crowned Night Heron an Imature. Just as I was a-bout to pick it up a duck hawk come over and stopped to get it but saw me and flew away.

93.

Green 1927

Colorado River,
20 miles S. of Pilot Knob, Lower Calif. Mex.

Oct. 18, 1927

Six steel sets caught nothing.
twenty five mouse traps caught 4.
Peromyscus ♀, Onychomys ♂, Perognathus ♂, House mouse ♂.

787 Peromyscus (eremicus) ♂ 26.g 171-96-21-12
Arrow weed sandy soil

788 " (maniculatus) ♀ 22.g 169-90-21-12
Arrow weed sandy soil

789 " (eremicus) ♀ 22.g 190-93-21-13
Arrowweed sandy soil.

790 Thomomys ♀ 112.g 206-65-31-4
Under bermuda grass sandy soil

791 Dipodomys (merriami) ♂ 41.g 248-148-40-9
sandy soil road bank

792 Perognathus (penicillatus) ♂ 16.g 140-63-23-5
Under Arrow weed sandy soil.

793 Onychomys (torridus) ♂ 26.g 147-53-21-15
Under dead Willows. sandy soil

794 Thomomys ♀ 147.g 210-63-31-9

Changed two sets tonight to a point near the willows in the arrow weed on an animal trail. The other one I set on the railroad levee beside the track. I went up the

Green
1927

20 mi. S. of Colorado River
Pilot Knob Lower Calif., Mex.
Oct. 18, 1927

river this A.M. about 2 miles. There is no more game there than here in fact the only birds I saw and heard were: Brown Pelican and white Pelican. I saw several of the Brown. and eight of the white in one flock. I heard several Towhee a woodpecker and both heard and saw ducks, mudhens, Great Blue Herons, Egrets, and song sparrows. Along the river I had to wade, the bank being silty mud up to my knees in places. The 25 mouse traps are still out in the gulley of arrow weed.

Green
1927

Colorado River, Lower Calif., Mex.
10 mi. S. of Pilot Knob.

Oct. 19, 1927

6. steel sets caught nothing.
25 mouse traps caught 5. Peromyscus ♂, Mus Musculus ♂, Perognathus ♀, Onychomys two ♂.

795 Neotoma ♂ 225.g 365-174-38-22
Under Willows.
796 Peromyscus ♂ 27.g 178-85-21-14
Under Arrow weed sandy soil.
797 " ♂ 20.g 170-83-20-15

798 " ♀ 19.g 177-95-21-14

799 " ♀ 20.g 184-92-21-14

800 Perognathus ♀ 20.g 185-103-25-5
Under Arrow Weed sandy soil.
801 Onychomys ♂ 27.g 142-50-21-13
Under Arrow weed sandy soil
802 " ♂ 21.g 133-51-21-13
Under Arrow weed sandy soil.

Tomalin

803 Mexican free tail Bat ♂ 11.g 95-39-10-13
804 " " " " ♂ 11.5g 85-35-10-12
805 " " " " ♂ 11.4g 84-34-10-11
806 " " " " ♂ 10.5g 89-33-10-11
807 " " " " ♂ 11.5g 87-33-10-12
808 " " " " ♂ 11.5g 83-28-10-11

Colorado River
Lower Calif., Mex. 20 mi S of Pilot Knob.
Oct. 19, 1927

Tadarida mexicana

809	Bats Contd.	♂	11.6 g	93 - 39 - 12 - 13
810	" "	♂	11.7 g	91 - 33 - 10 - 12
811	" "	♂	11.5 g	90 - 32 - 10 - 11
812	" "	♀	11. g	85 - 31 - 10 - 12
813	"	♀	11. g	90 - 30 - 10 - 13
814	"	♀	11. g	90 - 35 - 10 - 12
815	"	♀	11. g	88 - 33 - 10 - 11
816	"	♀	11. g	90 - 35 - 10 - 11
817	"	♀	11. g	91 - 34 - 10 - 11
818	"	♀	11. g	87 - 33 - 10 - 11
819	"	♀	11. g	92 - 33 - 10 - 12
820	"	♀	11. g	90 - 32 - 10 - 11
821	"	♀	11.7 g	92 - 37 - 11 - 12
822	"	♀	11.5 g	90 - 32 - 10 - 11
823	"	♀	11.4 g	88 - 31 - 10 - 12
824	"	♀	11.5	85 - 30 - 10 - 11
825	"	♀	11. g	93 - 35 - 10 - 11
826	"	♀	11.8 g	92 - 32 - 10 - 11
827	"	♀	11.5 g	87 - 32 - 10 - 12

All in formalin

These bats I shot with four 38 aux shells in side the shutters of one of the shacks here. I shot 60 in all. The house has screen all the way around and the shutters of one inch wood can be let down out side of the screen. The shutter was down and the bats were between the shutter and screen

Green
1927

Colorado River, Lower Calif, Mex.
20 miles south of Pilot Knob.
Oct. 19, 1827

side of House
as viewed from end.

There must have been a-bout 300 there all clinging in a cluster not unlike a swarm of Bees. When I first shot I had been attracted by there perpetual squeaking, and thinking there were fifty or so, I shot into them from a mere crack under the shutter several dropped at each shot. After four shots I stopped and lifted up the the shutter to get any I had wounded. The moment I opened it I was surrounded by Bats flying everywhere. many dropped to the ground wounded and dazed of which I recovered 60. There was one smaller

Colorado River, Lower Calif., Mex.
20 miles south of Pilot Knob
Oct. 19, 1927

bat amoungst the rest. Mr. Lamb put this up on the 19th of this month. When the bats had been in the air a few moments they climbed skyward until out of sight. I set and baited the steel sets tonight taking up the one I had set at the supposed Badger hole. There are 3 steel sets out now and 25 mouse traps.

Myotis yumanensis

Huey
1927

Colorado River, Lower Calif, Mex
20 miles South of Pilot Knob.

Oct. 20, 1927

Four steel sets caught one skunk. Caught beside railroad track on levee.

25 mouse traps caught two. ♀ Mus musculus, ♀ Perognathus.

	Tadarida mexicana			
828	Bat	♂	10.8g	86-30-10-11
829	"	♂	10.8g	91-32-10-11
830	"	♂	10.5g	93-33-10-12
831	"	♂	11.g	93-35-11-11
832	"	♀	11.g	89-33-10-11
833	"	♀	11.g	93-35-10-11
834	"	♀	11.g	94-31-10-11
835	"	♀	11.5g	92-30-10-11
836	"	♀	11.g	92-31-10-11
837	"	♀	12.g	89-32-11-11
	mephitis			
838	Skunk	♀	1¼ pounds	620-290-70-19
839	Bat	♀	11.1g	85-31-10-11
840	"	♀	11.2g	90-34-10-11
841	"	♂	10.7g	83-31-10-11
842	"	♂	11.g	89-33-10-11

~~843~~ Set 10 more mouse traps and 5 rat traps on the line of 25 I have all ready. I continued the gulley of arrowweed into the willows. I still have 3 steel sets out.

1. where mouse trap line runs into willows
1. railroad track. 3 Willows side of river.

Huey
1927

Colorado River Lower Calif Mex
20 mi - S. of Pilot Knob Oct. 21, 1927

3 steel sets caught nothing.
40 mouse and rat traps caught four peromyscus ♀♀♂♂, one perognathus ♀, one Onchyomys ○, one gopher ♀.

843 Gopher ♀ 160.g 237-80-32-4
Under Arrow weed sandy soil.

844 Perognathus (penicillatus) ♀ 15.g 165-63-32-5
Under dead willows.

845 Onychomys (torridus) ♀ 30.g 153-53-22-13
Under Arrow weeds sandy soil

846 Peromyscus (maniculatus) ♂ 25.5 g 164-70-21-13
Under Arrow weed sandy soil

847 maniculatus " ♀ 20.g 180-90-21-14
Under Arrow weed " "

848 maniculatus " ♀ 16.g 141-70-21-13
Under Arrow weed " "

849 Neotoma (desertorum) ♂ 339.g 400-76-37-27
Under Tules.

850 Gopher ♀ 164.g 245-80-32-5
Under Bermuda grass sandy soil.

851 Coyote ♀ 20½ pounds 1130-312-180-111
On levee beside railroad track {bird. Bodies

852 Thomomys ♀ 101.g 212-63-31-3
Caught gophers in daylight.
Under Bermuda grass sandy soil.

Green
1927 Colorado River, Lower Calif, Mex.
20 mi. S. of Pilot Knob

Oct. 22, 1927

Forty mouse traps caught 6 in all. two peromyscus ♀, ♂. one Onychomys ♂. two Reithrodontomys ♂, ♂. Mus musculus ♀.

2 steel sets caught nothing.

853 Reithrodontomys ♂ 12. g 150-75-19-10
Beside tulles in willows

854 " ♂ 12. g 151-78-19-10
Beside tulles in willows

855 Onychomys ♂ 22. g 131-51-21-13
Under Arrow weeds sandy soil.

856 Peromyscus ♂ 21. g 183-86-21-15
~~Discarded~~ Under arrow weeds.

857 " ♀ 22. g 181-90-20-15
Discarded Under arrow weeds

858 " ♀ 20. g 182-92-21-13
Discarded Under arrow weeds.

859 Frog

Rebaited steel and mouse sets tonight. This morning went to [illegible]field and saw 4 sharp shinned Hawks. One buzzard, 7 ravens, numerous morning dove, Gambel Quails, Gila Woodpeckers, and Willow woodpeckers. I shot one night Hawk, towhee, & song sparrow

Green
1927

Colorado River, Lower Calif., Mex.
20 mi. S. of Pilot Knob
Oct. 23, 1927

2 steel sets caught nothing.
40 mouse and rat traps caught one perognathus ♂, one Reithrodontomys ♂, two peromyscus ♀♀,

860 Perognathus ♂ [penicillatus] 19.g 173-89-21-5
Caught under arrow weed [sandy soil].

Moved one steel set to a point 20 ft from the railroad track about 1/2 mile north of camp. It is located in the willows where there is a top crust of leaf mold and underneath is the same sandy soil. The ground around the set is heavily covered with willow leaves.
There were many coyote, skunk, and coon tracks on the levee this morning. The railroad track runs on the levee. I shot an immature male sprig or pintail duck today.
Tonight I set 3 gopher traps a well as rebaiting my mouse traps and steel sets. I put some dried fruit around the steel sets as well as Bird bodies.

Green
1927

Colorado River
Sonora Calif., Mex. 20 mi S. of Pilot Knob.

Oct. 28, 1927

40 mouse & rat traps caught 2 sigmodon ♀♀, two perognathus ♀♂, one Mus musculus ♂.
Two steel sets caught nothing.

861 Thomomys ♂ 115. g 211-61-31-9
Caught under Bermudas grass evening catch. Last night.

862 " ♀ 159. g 217-71-32-9
Caught under Bermuda grass evening catch.

863 Sigmodon ♀ 42. g 203-86-29-13
Sandy soil Under Arrow weed.

864 " ♀ 46. g 221-92-30-15
" " Under Arrow weed.

865 Perognathus penicillatus ♀ 18. g 165-82-23-5
Sandy soil under Arrowweed.

I took up all mouse and rat traps but left two steel sets out as we leave tomorrow.
I heard a meadow lark today for the first time since we have been here.

Green
1927

Las Palmas Canyon 200 ft. West side of Laguna Salada 15 miles South of North end
Lower Calif., Mexico

Oct. 27, 1927

We broke camp early this morn. We had camped the night before on the edge of the dry bed of Laguna Salada. There had just been a heavy rain making the roads muddy and slippery. We got stuck up to our running boards so made camp there. However we pulled out last night after unloading and we were able to go on the morning. We managed to go the next 10 miles without getting stuck again as the roads had dried considerably. We saw a dozen Palms in a canyon from the road at the side of the Laguna Salada. We had gathered information that this was the only water unless we went 30 miles further south to Guadalupe Canyon. The country here is desert ~~associ~~ association, the plant life consisting of Paloverde, Ironwood and an occasional mesquite further ~~out~~ east nearer the laguna. The hills here rise abruptly from the dessert valley and

Green
1927

Las Palmas Canyon 200 ft West side of
Laguna Salada 15 mi. South of North end.
Lower Calif., Mexico.

Oct. 27, 1927

spring with a-bout 25 palms
lies 100 ft a-bove us in a canyon
on the hillside. As I set my
mouse traps tonight I heard
a song sparrow here. I squeaked
bringing him to me very quickly.
I set 30 traps along the hillside
amoungst the rocks and Ironwood.
I set 3 gopher traps in sandy
soil where there were some fresh
burros in the scattered ironwood
bushes and paloverde trees.

Green
1927

Las Palmas Canyon West side of
Laguna Salada 15 mi S of N. end
Lower Calif., Mexico

Oct. 28, 1927

30 mouse traps caught 5 perognathus, 3♀, 2♂. Three peromyscus 3♂.

866 Perognathus B. ♀ 27.g 202-105-24-7
Under low bush sandy soil

867 " B. ♀ 22.g 207-107-25-7
Under low bush sandy soil.

868 Dipodomys ♂ 38.5g 235-143-35-11
Under Ironwood bush sandy soil.

869 Peromyscus ♂ 15.g 170-93-19-19 ~~167-67-19-19~~
Under rock amoungst rocks

870 Peromyscus ♂ 12.g 167-90-19-18
Under rock amoungst rocks.

871 Citellus ♂ 118.g 240-80-35-3
Under Ironwood bush

872 Perognathus, S. ♂ 192-95-21-4 (12.1g)
Under Rock. 5.30 P.M. catch

Set 20 more mouse traps around spear grass and young fan palms at spring. Also one steel set at spring. I saw a very large bull frog at the spring but was unable to get him. As I returned along the trap line to night I found to spiney perognathus in traps under rocks. I saw several Orioles, song sparrows, mocking birds, Gila woodpeckers, and House Finch at the spring today.

Green 1927

Las Palmas Canyon 200 ft. West side of Laguna Salada 15 mi. S. of North end. Lower Calif., Mex.

Oct. 29, 1927

Forty five mouse traps caught 22. The 20 traps set around spring caught 6 *peromyscus* 3 ♂, & 3 ♀. Four *perogonathus* 2 ♂, & 2 ♀. The twenty five traps amongst the rocks caught four *perogonathus* 1 ♂, & 3 ♀. Eight *peromyscus* 4 ♂, & 4 ♀.

One steel set caught nothing.

873 *Lepus* ♀ 4¼ pounds 560-90-130-180
Shot by Mr. Lamb under mesquite

874 *Peromyscus* ♂ 14.5 g 180-93-20-19
Under rock, amongst rocks.

875 " ♀ 11.2 g 172-91-20-18
Under rock, amoung rocks

876 *Perogonathus*, S. ♂ 14. g 166-90-22-5
Under Ironwood bus

877 " B. ♂ 21. g 190-98-23-6
Under Ironwood bush

878 *Citellus* ♀ tereticaudus 97.2 g 248-195-38-2
Under Iron wood bush.

Rebaited my 45 mouse traps and my steel set tonight. As I had started on my trap line and was a-bout 30 yds from camp I looked a-head all of a sudden and saw a *coyote* not more than 15 ft. a-way. I had to back up and

Green 200 ft. Las Palmas Canyon West side of
1927 Laguna Salada 15 mi. South of North End.
Lower Calif., Mex.
Oct. 29, 1927

shoot as he calmly started to walk away. Luckily I had a big load in my gun and when he had walked away enough so that I wouldn't shoot him badly I shot. I found he had a straigt cut on his left hind foot and a very bad looking sore or bruise on his left hip. This probably was caused from a fight. There is no water around for at least 200 yds. and yet he was very wet up to the middle of his body. He must have been pretty sick as when I came to him he was moving his intestinal anatomy and his head in a most peculiar manner. There was no spoor or droppings of any kind within ten yards of him. We belive this coyote was the same one Mr. Lamb shot at this afternoon He seemed to be after the rabbit which had just been prepared for eating. I also saw several swallow to day. I saw one Roadrunner

Green
1927

Las Palmas Canyon 200 ft West side of Laguna Salada 15 mi. S. of N. end Lower Calif., Mex.

Oct. 30, 1927

caught one gopher today. See Mr. Lamb.
45 mouse traps caught four ♂ peromyscus, 3 ♂ perognathus, four ♀ perognathus. Eleven in all.

879 Coyote ♂ 21 lbs. 1160-345-193-110
The same as in yesterdays notes.

880 Tanager? ♀ 16.2 g. This bird was hoping from rock to rock in a manner which resembles that of a wren. I found that he had been wounded and one wing was held tight against its side. It had the use of only one wing. This was near the spring.

881 Gopher ♀ 73.g 202-64-30-5
Caught under brush pile in very sandy soil. This trap had been in the burro for a day & a half.

I rebaited my traps again to night and moved some to other locations with the same association as the traps had been in. I heard a horned owl tonight very close but was unable to see ~~him~~ him. I also saw a costa humming bird. I heard a cactus wren.

Green 1927 — Las Palmas Canyon 200 ft. West side of Laguna Salada 15 mi. N. of S. end Lower Calif., Mex.

Oct. 31, 1927

45 mouse traps caught 5 ♀ perognathus, 3 ♂ perognathus. Two ♂ peromyscus + 2 ♀ peromyscus.

One steel set caught nothing.

One gopher set caught nothing.

882 Perognathus (spinatus) S. ♀ 15.g 182-95-22-6
Caught in rocks on hillside.

883 " (spinatus) S. ♂ 11.5g 167-91-20-9
Caught in rocks E. slope of Hill

884 Peromyscus (crinitus) ♀ 15.g 180-100-20-16
Caught in spear grass in Palms

885 " (crinitus) ♀ 13.g 177-92-21-17
Caught under young palms

886 " (crinitus) ♂ 15.g 184-105-20-17
Caught under young Palm

887 " (crinitus) ♂ 12g 174-93-20-17
Caught in spear grass.

888 Ammos Spermophilus (Citellus leucurus) ♀ 97.2g 175-20-37-6
(Note Bob Tail) Caught in rocks, between rocks
Day light catch.

889 Ammos Spermophilus (Citellus leucurus) ♂ 93.g 208-68-38-5
Caught in same rat trap as other
Both caught by Mr. Lamb.

900 Gila Woodpecker ♀ 47.5g Formalin.
Shot on trunk of [redacted] Tree.
(Formalin)

I set 10 rat traps in the Palm

Grey
1927

Las Palmas Canyon 200 ft West side of Laguna Salada 15 mi. S. of N. end. Lower Calif., Mexico
Oct. 31, 1927

arroyo around large rocks for chipmunks. Nothing during the day as it was cloudy and threatening rain. I took up my 25 mouse traps along the rocky hillside. The sets that are now out are 20 mouse traps in Palm & spear grass arroyo. 10 rat traps around boulders in the same arroyo or canyon. One steel set of two traps under Iron wood tree there also. It is most convenient to trap there as I have to go there for water twice a day. It is raining steady tonight but not hard. There are quite a few linnets, canyon wren, & rock wren in the oasis of Palm canyon. I saw only 3 Gila woodpeckers of which I killed two. All of the birds are extremely wild. I have see no more song sparrow since I shot at the one when we first came.

Green
1927

Las Palmas Canyon 200 ft. West end of Laguna Salada 15 mi. South of North end- Lower Calif. Mexico.

Nov. 9 1927

10 rat traps caught one Neotoma, two Peromyscus, ♀ ♂.
20 mouse traps caught nothing.
Two mouse traps set last night in cook tent caught two perognathus, B. both female. One steel set caught nothing.

901 Neotoma ♀ 133. g 308-145-33-27 rocks in Oasis
902 Perognathus, B. 22.6 g 183-92-26-7
Caught in cook tent.
903 " B. 24 g 200-111-25-7
Caught in cook tent.
904 Mocking Bird ♀ 47. g
Shot on top of Mesquite tree.

I saw Black Phobe, marsh Hawk and Audabon warbler to day as new birds. The rain of last night and the morning was steady but light up to noon when it disparsed.
I set 8 rat trap and baited them with Bacon rine. I also baited the 9 traps allready out with bacon. There are still 20 traps mouse traps in the Palm canyon.

Green
1927

Las Palmas Canyon 200 ft West side of Laguna Salada, 15 mi. South of Hand Lowe, Calif., Mex.
Nov. 2, 1927

37 mouse and rat traps caught 3♂ & 2♀ perognaths. 3♂ & 2♀ peromyscus. One steel set caught a femal coyote

905 Lepus (Jack Rabbit) 4 LBS. 530-70-118-155
Shot under mesquite (sand Dunes)

906 " (" ") 6 LBS. 565-73-127-170
Shot by Jas. Laurel under catclaw bush.

907 Coyote ♀, 10 pounds 885-265-175-115
Day light catch Near Ironwood tree, Oasis.

908 Ammos Spermophilus ♂ 112.g 214-58-39-6
Day light catch Caught in rocky arroyo under Ironwood tree.

909 " " " " " ♂ 100.g 211-61-39-6
Caught under Ironwood tree rocky arroyo

910 " " " " " ♀ 102.g 210-60-38-6
Caught in Oasis under Boulder

911 " " " " " ♀ 92.5g 223-58-38-6
Caught in Rocky arroyo between rocks.

The coyote was caught in the afternoon in the Palm oasis or Canyon. I caught four Ammos Spermophilus in the latter part of the morning. There are 17 rat traps out tonight all baited with bacon rind as they were last night and today. There are 20 mouse traps out in the Palm oasis.

Green 1927 Las Palmas Canyon 200 ft West side of Laguna Salada 15 mi. So. of North end. Lower Calif., Mex.

Nov. 3, 1927

37 mouse + rat traps caught 2 ♀ Neotoma. 4 ♂ + 1 ♀ perognathus. 2 ♀ + 1 ♂ + one head of Peromyscus. One steel set caught nothing.

912 Neotoma ♀ 166.7 g 285-128-32-25
Caught in tree on nest

913 Neotoma ♀ 123.2 g 305-151-31-27
caught on ground beside nest.

914 Neotoma ♀ 142. g 300-136-32-26
Caught on side of bank of arroyo.

915 Neotoma ♂ 142. g same as 913 only in daytime
Caught 285-150-33-27

916 Bufo (toad). caught in cook tent. in pan of water.

917 Lizard 36. g Shot on rock mistaken for chipmunk.

918 Ammos Spermophilus ♂ 96.6 g 220-65-36-6
Caught between large rocks, Oasis.

919 Pipistrellus hesperus
Bat ♀ 3. g 73-24-6-9 Shot near camp.

Set 12 more rat traps out tonight around rocky hillside around Oasis. There are 50 traps out now and one steel set. I saw 3 ammos spermophilus today but could not get a shot at one. I saw one cactus woodpecker. Mr. Lamb & I each shot a bat tonight after sunset.

Green
1927

Las Palmas Canyon 200 ft. West end of Laguna Salada 15 mi. S. of N. end Lower Calif., Mex.

Nov. 4, 1927

#920 = also a Peromyscus see # 39507, Dep't Cat.

50 mouse & rat traps caught 4 ♂ + 5 ♀ perognathus. 1 ♂ + 1 ♀ peromyscus. One steel set caught one female coyote.

920 Coyote ♀ 17½ pounds 1102–312–182–122
Caught in Oasis, (Palm canyon).

921 Perognathus, bailey B. ♂ 30.g 212–119–25–7
Caught in cook tent. Dried apricot for Bait.

922 Raven ♂ 855.g Shot out of a flock of 20.
Shot over camp at 11-o'clock A.M.

923 Ammos Spermophilus ♂ 101.g 215–54–37–6
Caught under Palm wet soil.

924 Rana (Hyla arenicolor) Caught in small pool 3 ft in diameter in Palm oasis (water running)

925 Rana (Hyla arenicolor) Caught in small pool same as one before. There are three polly-wogs or tadpoles in the same pool set in between rocks and covered by young fan Palms.

I rebaited all traps tonight. I saw several ammos spermophilus on the south side of the canyon of Palms this afternoon.

Green 1927

Las Palmas Canyon 200 ft West side of Laguna Salada 15 mi. S. of N. end. Lower Calif., Mex.

Nov. 5, 1927

49 mouse & rat traps caught 7 ♂ & 2 ♀ perognathus. One steel set caught nothing. Caught one neotoma rat trap ♂

926 Raven 785.g ♀ shot over camp yesterday after noon.

927 Neotoma lepida ♂ 142.g 332-147-32-27

Caught under nest in Iron wood tree. I took in my twenty mouse traps to day but there are still 29 rat traps out plus one steel set.

I shot two Bats to night both the small black faced bat. I saw several of what I judge to be the "Mexican Free-tail bat." I shot one Mocking bird to day in the oasis. My hunting and trapping is limited to this oasis I have to go there for water twice a day. The mocking bird is the only bird that came within range of my gun today. This camp is strangely quiet as there bird calls far and few between and no insect life except the blow flies and a few gnats and a stray mosquito.

Green
1927

Las Palmas Canyon 200 ft West end of Laguna Salada 15 mi. S. of N. end Lower Calif., Mex.

Nov 6, 1927

29 rat traps caught 4♂ & 2♀ perognathus and 1♂ & 1♀ peromyscus. One steel set caught nothing. I took in all rat traps leaving out just the steel set.

928 Bat ♂ 3.2g 70-26-6-9
Shot over camp last evening.

929 " ♀ 4.g 74-27-6-9
Shot over camp last evening.

I saw a black Phoebe today for the second time both times I have had my hands full of water canteens so I have not been able to shoot him. Washed clothes, cleaned camp and other odds and ends which needed attending to.

Green
1927

Las Palmas Canyon 200 ft. W. side of Laguna Salada 15 mi. S. of N. end Lower Calif., Mex.

Nov. 7, 1927

One steel set in Oasis caught one coyote ♀. I brought it in.

930 Mocking bird, ♂ ad. 42 g shot in middle of mesquite thicket.

931 Perognathus spinatus ♀ 12. g 183-105-21-6 Caught outside cook tent.

932 Coyote, ♀ 14 lbs. 1020-295-175-120 Caught in oasis by both feet.

I hunted with Mr. Lamb down around the sand dunes in the mesquite association. Birds were very scarce and wild. I saw a flock of about one hundred white crowned sparrows or gambel sparrows. I saw one mexican ground dove which Mr. Lamb shot. I saw one white winged dove which got away from me wounded. I shot two sage sparrow which Mr. Lamb has made skins of. I saw one road runner high up in a tree but it flew away before I could get within range. I also saw a few wild blue birds. Last

Green 1927

Las Palmas Canyon 2000 ft west side of Laguna Salada 15 mi. S. of N. end Lower Calif., Mex.

Nov. 7, 1927

night I heard a killdeer close to camp. There are plenty of quail down in the sage + arrowweed in the dry laguna. The phainopeplas are the only tame bird here.

Green
1927

Las Palmas Canyon 200 ft. W., side of Laguna Salada 15 mi. S. of N. end. Lower Calif Mex 69

Nov. 8, 1927

933 Leconte Thrasher Im. ♂ 61.1g.
Shot on top of mesquite on sand dunes.
934 " " Im ♀ 61.1g.
Shot on top of mesquite on sand dunes
935 Crissal Thrasher Ad. ♀ 56.5g.
Shot on top of large Ironwood tree
936 " " Im. ♂ 59.5 g.
Shot on top of mesquite on sand dunes
937 " " Ad. ♀ 54. g.
Shot on top of mesquite on sand dunes.
938 Mocking Bird Ad ♂ 54.5g.
Shot on top of Iron wood tree
939 Ash throated Flycatcher 30 g Ad ♀
Shot in center of Iron wood tree.
940 Rock Wren Ad ♀ 17. g
Shot in sand dunes on mesquite
941 Sage Sparrow Im. ♀ 16.5g
Shot on arrowweed stalk in sage.

I hunted 4 miles north of here in a large series of sand dunes covered with mesquite. The thrashers seemed plentiful but wild. I judge the distance by an hour and a half steady, fast, walking each way. I saw one rattle snake which disappeared in a rat hole. I just heard a screech owl

Green
1927

Las Palmas Canyon 200 ft West side of Laguna Salada 10 mi. S. of N. end Lower Calif., Mex. 70

Nov. 9, 1927

942 Gila Woodpecker 54.5 g Ad ♀

Shot on palm stump, 10 ft from ground.

943 [Grinnell] " ♂ 62.g sexed by plumage

Shot on palm stump, 10 ft. from ground.

944 Cactus Wren Ad ♂ 32.g

Shot on outer leaf of young fan palm.

945 Canyon Wren Im ♀ 10.g

Shot on top of boulder 8 ft high.

I hunted in the three palm oases today. In the first, that is the nearest largest and the one furthest north, I shot the two Gila woodpeckers and a male house finch. I the large arroyo which contains two distinct palm groves 50 yds apart I shot the catus wren and a canyon wren and a rock wren. I saw a-bout 15 [illegible] here. The House finch already mentioned was feeding on blue black berries a-bout the size of a pea which hang in large numbers from the palms.

Green
1927

North end of Nachoguero Valley 3400 ft.
Lower Calif., Mexico.

Nov. 15, 1927

947 California woodpecker Ad. ♂ 75.g Shot 50 yds on Am. side of boundary on dead top limb of Oak.

948 " " Ad ♂ 83.g This was shot in the same shot on the same limb.

949 Calif. Blue Jay Ad ♀ 69.1 g
Shot in heart of small oak tree

950 " " " Ad. ♂ 79.1 g
Shot on top of small Oak tree.

951 San Diego titmouse Ad ♀ 16.3 g
Shot on outer branch of Oak tree.

952 Ruby crowned Kinglet Ad ♂ 9.g
Shot on outer branch of Oak tree

953 Western Chipping Sparrow Ad. ♂ 19.5 g
Shot on small bush.

not catalogued — for deposit elsewhere

954 Anthony Brown towhee 44.4 g IM. ♀
~~955~~ Shot on top of large boulder.

955 Thomomys ♀ 74.5 g 187-57-26-5 Daylight catch
Caught under new grass dark soil.

956 Bufo
957 "
958 "
959 "
960 "
961 "
962 "
963 "

These were all caught in a shallow well 6 ft below the ground. There were a dozen more small ones. I caught them in the water bucket.

Green 1927 North End of Nachoguero Valley 3400 ft. 72.
Lower Calif., Mexico

Nov. 15, 1927

964 Buffo Contd.
965 " Caught same as preceeding.
966 "
967 "

Yesterday I saw 3 western blue birds, this is the only bird that we didn't see today. Mr Lamb will keep the list of birds as there is no sense in keeping to lists birds. However I will name the birds I see that he doesn't see. I set 20 mouse and rat traps south ward running a-bout 200 yds. from camp. Also one steel set a-long an old small irrigation ditch. There are both raccoon tracks + coyote there. Last evening and this evening there was a noisy outbreak of coyote yells. I judge a bout 10 different calls or ten different coyotes. I saw 7 California woodpeckers today just the other side of the border. There are many towhees, titmouses, juncos, blue jays, and chipping sparrows here. These are at least the most plentiful.

Green
1927

North end Nachoguero Valley 3400 ft.
Lower Calif., Mexico

Nov. 16, 1927

20 rat & mouse traps caught one ♂ & one ♀ dipodomys, two ♀ perognathus, one ♀ neotoma, 3♂ & 1♀ peromyscus. I caught three gophers yesterday evening and one this morning also one gopher yesterday afternoon.

968 Thomomys ♀ 98.7 g 213-57-28-4.
Caught in dark heavey soil.

969 " ♂ 95. g 189-60-26-5
Caught in dark heavey soil.

970 " ♀ 124. g 207-58-29-5
Caught in dark heavey soil.

971 " ♂ 116.2 g 205-61-31-5
Caught in dark heavey soil.

972 Neotoma lepida ♀ 115. g 310-155-32-26
Caught below nest in between boulders.

973 Perognathus californicus ♀ 19.5 g 202-110-25-10
Caught between granite boulders.

974 Peromyscus maniculatus ♂ 20. g 162-62-21-15-
Caught under oak tree

975 " maniculatus ♀ 20.1 g 155-74-20-17
Caught under chaparral.

976 Dipodomys agilis ♀ 59. g 287-166-44-15
Caught in front of hole.

977 Calif. Brown towhee Im.♂ 42.5 g
not saved - [illegible]
Shot on large granite boulder.

978 Red shafted flicker ♂ 135. g
Shot in oak tree on trunk.

North end Nachoguero Valley
Lower Calif; Mex.

Nov. 16, 1927

I set 15 more mouse & rat traps and one more steel set. I also reset the four gopher sets. The traps now run south along the side of a streamlet and back on the East side on the crest of a hill along a fence line. The new steel set is set under the barb wire fence. I did not hunt birds to day as I had enough mamals and 3 birds I shot last evening.

Green 1927

North end Nachoguero Valley 3400 ft.
Lower Calif., Mex.

Nov. 17, 1927

Forty mouse + rat traps caught 7 peromyscus six male + one female, and one ♀ neotoma. Two steel sets caught one ♀ dipodomys.

979 Dipodomys ♀ 62.g 280-166-42-15
Caught in steel set under fence.

980 Peromyscus ♂ 31.5 g 200-107-22-20
Caught under Oak tree

981 californicus " ♂ 36.g 226-120-25-21
Caught under chaparral bush

982 " ♂ 31.g 224-120-25-21
Caught between large boulders

983 " ♂ 17.5.g 154-66-20-14
Caught in back of cook tent.

984 Western Robin Ad ♀ 79.g
Shot in oak tree near top.

985 Valley Quail. ♀ 151.g
Shot in chaparral brush

986 " " ♀ 150.g
Shot in chaparral brush

987 " " ♂ 155.5 g
Shot in chaparral brush

988 " " ♂ 150.3 g
Shot in chaparral brush

989 Thomomys 115.g 250-62-28-5
Caught under new grass in dark soil.

990 Red Shafted Flicker ♀ 126.2 g
Shot in oak tree on main trunk.

Green
1927

North end Nachoguero Valley 3470 ft.
Lower Calif., Mex.

Nov. 17, 1927

I set 10 more rat traps tonight in sandy rocky soil. I saw and heard several western gnatcatchers this P.M. The flock of quail I surprized was the first flock I had seen since we were camped here. I saw several flickers tonight and a flock of 15 or 20 medow larks. There was a young chicken with the quail feeding and walking right along with them. I shot a red breasted sapsucker but too well to put up. I reset & rebaited all traps tonight.

Grin
1927

North end Nachoguero Valley 3400 ft.
Lower Calif., Mex.

Nov. 18, 1927

50 mouse & rat traps caught one ♂ & one ♀ neotoma, two ♂ & one ♀ dipodomys, three ♀ & five ♂ ~~[illegible]~~ peromyscus. Three steel sets caught nothing.

991 ✓ Neotoma (lepida) ♀ 127.g 295-125-32-23
Caught between large granite boulders.

992 ✓ " (lepida) ♂ 172.g 330-150-33-25
Caught under nest in Oak tree.

993 ✓ Dipodomys (agilis) ♂ 69.g 275-163-43-15
Caught in Chaparral brush.

994 ✓ " (agilis) ♂ 70.g 300-180-45-15
Caught in open sandy spot

995 ✓ Peromyscus (californicus) ♂ 33.5g 223-122-26-21
Caught under oak tree.

996 ✓ " (maniculatus) ♂ 20.g 165-77-20-15
Caught in chaparral brush

997 ✓ " ([illegible]) ♂ 20.g 165-78-20-15
Caught in chaparral brush.

998 ✓ " ([illegible]) ♂ 20.g 165-77-20-15
Caught under oak trees.

999 ✓ " (maniculatus) ♀ 19.5g 143-65-20-15
Caught beside spring

1001 Calif Woodpecker ♂ 76.g (not catalogued – [illegible])
Shot in oak tree near top.

1002 " " ♂ 71.g (not cataloged – sent to [illegible])
Shot in oak tree in middle

✓ 1003 " " ♀ 73.g Shot in Oak tree.

Green 1927

North end Nachoguero Valley 3400 ft Sonr Calif., Mex. 78.

Nov. 15, 1927

1004 Calif Woodpecker ♀ 71.5 g
Shot in oak tree top

1005 " " ♂ 65 g — not cataloged - for deposit elsewhere
Shot on dead Oak.

1006 " " ♀ 59.5 g — not cataloged - for deposit elsewhere
Shot on dead sprout of Oak

1007 Thomomys. ♀ 168. g 211-65-29-5
Caught under new grass dark rich soil

1008 " ♀ 113. g 208-62-28-5
Caught under new grass dark soil.

I reset and baited traps tonight. One steel set had been sprung in the day time by something but I don't know what. I saw 3 brush rabbits and one cotton tail + one Jack rabbit this evening.

Green
1927

North end Nachoguero Valley 3400 ft.
Lower Calif., Mex.

Nov. 19, 1927

50 mouse & rat traps caught 5 ♂ + 1 ♀ *perognathus*
3 steel sets caught nothing.

1009 *Dipodomys* [agilis] ♂ 50. g 272-166-42-15
Caught in corn field.

1010 " [agilis] ♀ 51. g 265-165-41-15
Caught on edge of cornfield on edge of stream.

1011 " [agilis] ♀ 65. g 297-170-45-15
Caught on bare sandy spot.

1012 " [agilis] ♀ 62. g 280-155-44-15
Caught between lg. boulders

1013 " [agilis] ♀ 58. g 292-172-42-15
Caught in chaparral bushes.

1014 *Sylvalagus* [audubonii] ♀ 1½ pounds. 385-41-91-91
Shot in brush.

1015 Calif Brown towhee ♀ 41. g
Shot in oak tree

not cataloged - to be deposited elsewhere
1016 Calif Woodpecker 68. g
Shot in top of oak tree

not cataloged - sent to John E. Thayer
1017 " " 73. g
Shot in middle of oak tree

1018 *Thomomys.* 106. g ♀ 205-58-27-4
caught under new grass.

I took up all traps and reset them along the international fence line ~~wo~~ working north to a small spring about 1½ north of here. There are 4 steel sets there.

Green
1927

North end Nachoguero Valley 3400 ft.
Lower Calif., Mex.

Nov. 20, 1927 Sunday

50 mouse and rat traps caught 6 ♂ & 6 ♀ Dipodomys and 4 ♂ + 1 ♀ peromyscus and 1 ♂ onchycomys. One steel set was sprung it was near the spring. The other 5 were not touched.

1019 Onychomys ♂ 20. g 137–45–20–15
Caught under sage, sand.

[= skull only, since skin cannot be located]

1020 Peromyscus ♂ 17.5 g 154–67–21–15
Caught under sage, coarse sand.

1021 Peromyscus ♀ 25. g 156–73–20–15
Caught under manzanita bush.

1022 " ♂ 20. g 153–74–20–15
Caught under manzanita tree.

This new trap line covers every association found here. It starts on the edge of the swamp thru the oak tree into the sage chaparral and Manzanita, then up a long draw to a spring. There are skunk, coyote, fox and wildcat tracks, along this line. The blue Jays seem to be storing acorns as I have seen many carrying them in their bills.

Note: Because of Green's error in the field of putting the number 920 on the skin instead of 1020, the skull and skin were mistakenly thought to belong to different specimens. Actually 920 is a coyote. The locality and date are correct on the skin label for 1020 (as well as the measurements

Green
1927

North end Nachoguero Valley 3400 ft.
Lower Calif., Mex.

Nov. 21, 1927

50 mouse & rat traps caught 4 ♀ & 3 ♂ Dipodomys, 4 ♂ & 2 ♀ peromyscus, 2 ♀ & 2 ♂ perognathus. Four steel sets caught nothing.

1023 Perognathus ♂ 22. g 207-127-28-11
Caught under Manzanita bush.

1024 californicus " ♂ 20. g 207-119-27-10
Caught in Manzanita brush.

1025 " ♀ 19.5 g 201-117-27-10
Caught in sandy draw.

1026 Peromyscus maniculatus ♂ 24.8 g 162-69-21-14
Caught under manzanita bushes.

1027 maniculatus " Juvinile ♀ 11.9 g 136-~~21-13~~ 62-21-13
Caught on side of sandy draw near brush.

1028 Red shafted Flicker ♂ 145. g
Shot on top of oak tree.

1029 Brewers Blackbird ♀ 59.5 g
Shot on top of oak tree by marsh.

1030 Dipodomys ♀ 55. g 265-157-42-15
Caught in sandy open space.

1031 " agilis ♂ 69. g 274-164-41-14
Caught in sandy open space

1032 " Discarded ♂ 67. g 304-180-43-15
Caught under Manzanita bush.

I saw four raven today and caught one in a coyote set baited with Dipodomys.

Green
1927

North end Nachoguero Valley 3400 ft.
Lower Calif., Mex.

Nov. 22, 1927

Fifteen mouse & rat traps caught four ♀ & 3 ♂ Dipodomys, one ♂ perognathus, one ♀ & 4 ♂ peromyscus, one ♂ Onychomys, one ♀ neotoma. Four steel sets caught one ♀ coyote.

1033 Coyote ♀ 19½ pounds 1030-295-180-120
Caught beside spring on trail.

1034 Neotoma (lepida) ♀ 142. g 355- 175-36-25
Caught under manzanita bush 30 yds. from nest.

1035 " ♀ 148.2 g 325-150-35-25
Caught between lg. granite rocks

1036 Onychomys (torridus) ♂ 20.5 g 132-49-20-15
caught in low bushes, sand.

1037 Peromyscus (maniculatus) ♀ 23.5 g 162-71-21-15
Caught under chaparral & mesquite

1038 Chipmunk 76. g 133-100-34-15
Caught in runway between rocks.

1039 Calif Brown towhee 45.2 g
Caught in rat trap under bushes

1040 Dipodomys ♀ 63. g 280-168-43-14
Caught under sage bush.

I saw where a coyote had killed a rabbit last night near a steel set and carried it into the brush where he ate everything but the skin, entrails and the two back legs.

Green
1927

North end Nachoguero Valley 3400 ft.
Lower Calif., Mex.

Nov. 23, 1927

Fifty mouse & rat traps caught 6 ♂ & 1 ♀ peromyscus, ♂ + 3 ♀ Dipodomys. Four steel-sets caught nothing.

1041 Peromyscus maniculatus ♂ 22.2 g 152–66–21–17
Caught in draw covered with Manzanita

1042 " maniculatus ♂ 24. g 166–76–21–16
Caught under sage - coarse sand.

1043 " maniculatus ♂ 24.1 g 155–70–21–18
Caught under sage coarse sand

1044 maniculatus " Juv. ♂. 13.1 g 130–55–18–15
Caught under low bushes.

1045 maniculatus " Juv. ♂ 13.2 g 138–59–21–12–
Caught under sage on edge of Manzanita.

1046 californicus " ♂ 35.5 g 222–122–25–18
Caught under manzanita bush.

1047 Dipodomys agilis ♀ 60. g 277–165–44–15
Caught under manzanita bush.

1048 " agilis ♀ 57. g 277–165–43–15
Caught in open sandy spot.

1049 " agilis ♀ 60.2 g 290–179–42–15
Caught in open sandy spot.

~~1050~~ I caught a blue jay in my steel set under manzanita bush, the same trap that caught the Raven.

Green
1927

North end Nachoguero Valley 3400 ft.
Lower Calif., Mex.

Nov. 24, 1927

Sixty five rat + mouse traps caught,
3 ♂ + 5 ♀ Dipodomys, 4 ♂ + 1 ♀ peromyscus
Four steel sets caught nothing.

1050 Red Shafted Flicker ♀ 137.5 g came to squeak.
Shot on top of oak tree.

1051 Calif Brown towhee 47. g
Shot on top of lg. granite boulder.

1052 Peromyscus manizulatus juv. ♂ 15. g 140-64-21-15
Caught near manzanita bush under sage.

1053 " ♂ 18. g 153-67-21-15
Caught under Manzanita bush

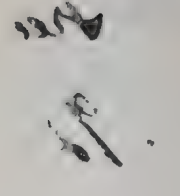
1054 " ♀ 26. g 164-75-21-18 two embryos 20.m.
Caught under sage brush.

1055 californicus " ♂ 30. g 207-115-25-20
Caught under manzanita bush.

1056 californicus " ♂ 30. g 222-120-26-21
Caught in open sandy spot.

1057 Dipodomys ♂ 58.5 g 290-172-43-15
Caught in open sandy spot

1058 " ♀ 61. g 300-183-44-17
Caught under manzanita.



Green

1927

North end Nachoguero Valley 3400 ft.
Lower Calif., Mex.

Nov. 25, 1927

Sixty five mouse + rat traps caught 3 ♂ + 1 ♀ Dipodomys, 3 ♂ Raithrodontomys, 1 ♂ peromyscus. Four steel sets, nothing.

not catalogued — [illegible]

1059 Medow Lark ♂ 112. g
Shot in marsh

1060 Brewers Blackbird ♂ 70. g
Shot from top of oak tree by marsh.

1061 Bells Sparrow ♂ 16.5 g
Shot on top of chapparal bush

1062 ______ Junco Ad. ♀ 17.2 g
Shot in middle of manzanita tree.

1063 Raithrodontomys (megalotis) ♂ 8. g 137-66-18-12
Caught in absolutly dry sandy spot.

1064 " (megalotis) ♂ 6.2 g 123-59-16-11
Caught in marsh grass this side of international fence

1065 " (megalotis) ♂ 7.1 g 123-63-17-11
Caught in marsh grass this side of international fence.

North end Nachoguero Valley 3400 ft.
Lower Calif., Mex.

Nov. 26, 1927

Sixty five mouse & rat traps caught 7 ♀ & 1 ♂ dipodomys. 1 ♀ peromyscus, 1 ♂ perognathus. Four steel sets caught one ♂ bobcat. Caught one Raithrodontomys in a sandy dry spot.

1066 Bay Lynx ♂ 13. pounds 845-140-172-83
Apple core bait caught at mouth of dry aroyo under Manzanita.

1067 Perognathus ♂ 24. g 177-90-26-11
californicus
caught under manzanita bush, sand.

not catalogued — for deposit elsewhere
1068 Brewers Blackbird 54.1 g Ad. ♀
Shot on top of Oaktree.

1069 ~~Marsh Wren~~. 11. g see Mr. Lamb same date.
Shot in marsh

1070 Nuttal Woodpecker ♂ 33.3 g
Shot as it flew from Oak tree.

1071 Brewers Blackbird Ad. ♀ 60. g
Shot in marsh.

Last night seemed to be an awfully good night for mamals as there were new tracks everywhere.

Green
1927

North end Nachoguero Valley 3400 ft.
Lower Calif Mex

Nov, 27, 1927

Sixty five mouse + rat traps caught 1 ♂ + 1 ♀ Raithrodontomys, 2 ♂ peromyscus, 1 ♀ & 3 ♂ Dipodomys.

1071 Raithrodontomys ♀ 9. g 152-62-17-11
Caught in dry sandy spot in Manzanita brush

1072 Peromyscus ♂ 23. g 165-73-21-15
Caught under sage brush.

1073 maniculatus " ♂ 23.1 g 153-80-21-14
Caught under sage brush

1074 Brewers Blackbird. 61. g
Shot on top of oak tree by marsh.

1075 Junco 18.7 g
Discarded

1076 Neotoma ♀ 142. g 300-144-32-26
Shot a 10 P.M. by Lamb in Oak bush, in outside fork of bush.

1077 Spilogale ♀ 323. g 360-130-42-13
bird + rat bodies used for bait.
Caught beside cow trail under manzanita bush by Lamb.

1078 Lizard
Caught in cook tent.

1079 Dipodomys ♀ 64. g 282-163-43-15
Caught under chaparral bushes.

1077 Spilagale body in formalin.

I saw a flock of mountain quail today in a sandy arroyo covered with manzanita a-bout 1/4 miles S. of Monument 138.

Green
1927

North end Nachoguero Valley 3400 ft.
Lower Calif., Mex.

Nov. 28, 1927

Fifty mouse traps caught 4♂ & 1♀ Peromyscus, 3♀ Dipodomys, 1♀ perognathus.

✓1080 Bush Tit. Ad. ♂ 6. g - Shot on top of chaparral
1 bush as the flock was passing thru.

✓1081 Bush tit. Im. ♀ 6. g
Shot same as preceeding

✓1082 Calif Brown towhee. Ad ♀ 50. g
Shot from top of scrub Oak.

✓1083 Junco Ad ♀ 15.4 g no evidence of wound.
Caught by hand near spring.

not catalogued — for deposit elsewhere
1084 ~~Jay.~~ 75. g
Shot from top of Oak tree.

1085 ✓ Peromyscus ♀ 24. g 170-77-20-16
Caught under sage brush. sand.

1086 ✓ " ♂ 25.2 g 187-76-21-15
Caught in open sandy spot.

1087 ✓ Juvenile ♂ 16. g 147-62-21-15
Caught in wet gulley by spring.

1088 Perognathus 20. g 147-62-21-15
Discarded. caught under granite boulder.

I saw 3 sharp shinned hawks today and one Cooper hawk. I also saw a flock of 13 robins as near as I could count when they passed over head.

Green
1927

North end Nachoguero Valley 3400 ft.
Lower Calif, Mex.

Nov. 29, 1927

Fifty mouse traps caught 2 ♂ + 1 ♀ peromyscus. Four steel sets caught nothing. I took up all traps this morning.

1089 San Diego Bewick Wren Ad ♂ 10. g
Shot in lower part of chaparral bush.

not cataloged – for deposit elsewhere
1090 Plain Titmouse Ad ♀ 15.5 g ~~167-72-20-17~~
Shot from bow hanging oak branch.

1091 Peromyscus ♂ 17. g 147-62-19-15
Caught under sage bush.

1092 Peromyscus ♀ 25. g 167-72-20-17
Caught it in west gulley by spring.

1093 Red Shafted Flicker ♂ 147. g
Shot from top of oak tree.

not cataloged – for deposit elsewhere
1094 Calif Jay Ad ♂ 87.5 g
Shot in top of oak tree.

not cataloged – for deposit elsewhere
1095 " " Ad ♀ 67.6 g
Shot in top of oak tree.

Green
1927

Five miles South of Monument 258
West coast of Lower Calif, Mex.

Dec. 24, 1927

not catalogued – for deposit elsewhere
1096 Calif Brown towhee Im.♀ 43.3 g
Shot on top of Lycium bush

✓ 1097 Calif Thrasher Im ♂ 89. g
Shot from top of Sumac bush.

✓ 1098 Say Phoebe Ad ♂ 23.7 g
Shot from top of tent post.

✓ 1099 Large billed Sparrow Ad ♀ 19.1 g
Shot on edge of bluff by beach.

not catalogued – for deposit elsewhere
1100 " " " Ad ♂ 22.8 g
Shot on bluff by beach

✓ 1101 Wren Tit. Ad ♂ 16. g
Shot in thick brush + cactus.

1102 ✓ Dipodomys ♂ 50.4 g 273-168-40-15
Shot inside of water pipe (unconnected water pipe.)

Mr. Lamb will take care of description of country and daily report of new birds seen. I will list the birds that I see and he does not see however. I set 35 mouse & rat traps in a gully running up in a canyon. The traps are set along the South rim & side in a distance of 200 or 300 yds. The steel set it at a point where trails come together teed to a fence. The weather is threatening rain.

Green
1927

Nine mi S of Monument 258
West Coast of Lower Calif., Mex.

Dec. 24, 1927

I saw several cormorants, an eared Grebe, western sandpipers, and a Sparrow Hawk which he did not see. I also saw fresh coon tracks in a draw north of camp.

Four Mi. S. of Monument 258
West Coast of Lower Calif Mex.

Dec. 25, 1927 Xmas Sunday

Thirty mouse and rat traps caught five ♂♀ 7 ♀ *peromyscus*, 3 ♂ *perognathus*, 6 ♂ *Raithrodontomys*. One steel set was sprung but it caught nothing.

1103 Horned Lark Ad ♂ 29.9 g.
Shot on mesa by camp.

A sudden rain storm has come up this morning and we find it impossible to work in this tent as it leaks every where. The rain has lasted all day, a steady downpour.

Green
1927

Five Mi. S. of Monument 258
West Coast of Lower Calif., Mex.

93.

Dec. 26, 1927

The rain lasted all night and during the best part of the day. I ~~set out~~ rebaited my mouse and rat traps tonight. We moved camp into a shack here which dosen't leak.

Green 1927

Five Miles S. of Monument 258
West Coast of Lower Calif., Mex.

Dec. 27, 1927

✓ 1104 Valley Quail Ad ♂ 165.5 g
Shot while flushing from brush patch.

not catalogued – for deposit elsewhere
1105 Say Phoebe Ad ♀ 18. g
Shot on top of tent post

✓ 1106 Large Billed Sparrow Ad ♂ 19.3 g
Shot on tent frame

✓ 1107 California Shrike Ad ♀ 46.5 g
Shot on pinnacle of cliff.

✓ 1108 Bell Sparrow Ad ♀ 15. g
Shot on cactus top.

✓ 1109 " " Ad ♂ 15.2 g
Shot on cactus top.

✓ 1110 Large Billed Sparrow Ad ♂ 21. g
Shot on small weed.

✓ 1111 Calif Horned Lark ♂ 30.5 g
Shot on ground, grass

~~1112~~
not catalogued – for deposit elsewhere
1112 " " ♂ 29.5 g
Shot on ground, grass

✓ 1112 " " ♂ 26. g
Shot on ground, grass

I set 3 more steel sets today in 3 ~~large~~ arroyos running from the sea ~~to~~ east back in hills. I rebaited 35 ~~mouse~~ rat traps tonight. The quail of today had intestinal worms eating ~~into~~ the gizzard from the outside.

Green 1927 — Five Mi. S. of Monument, West Coast of Lower Calif., Mex. — 95 / 258

Dec. 28, 1927

Thirty-five mouse & rat traps caught 2 ♂ peromyscus, 1 ♂ Mus musculus, 4 ♂ & 6 ♀ Raithrodontomys, 1 ♀ Neotoma. Four steel sets caught one male Coon. The coon got away leaving two toes. This happened while I was starting to kill him. I had my gun there and an aux. at two yds in the chest had no effect and a charge of sixes at 20 yds failed to stop him before he vanished in the brush.

1114 Discarded { Raithrodontomys ♂ 8.g 126-64-16-13
Discarded

1115 [illegible] " ♂ 11.g 131-67-17-12
Caught in lower grassy spot in gully

1116 [illegible] " ♂ 11.2g 130-65-17-13
Caught on side of arroyo in grass.

1117 Peromyscus (eremicus) F. ♂ 21.g 175-88-21-16
Caught on edge of Arroyo.

1118 (maniculatus) " E. ♂ 24.5g 163-66-21-16
Caught on side of Arroyo

1119 Neotoma (lepida) ♀ 154.g 310-143-25-24
Caught by nest in cactus.

Rebaited all traps tonight.

Green 1927

Five mi. S. of Monument 25-8
West coast of Lower Calif., Mex.

Dec. 29, 1927

Thirty five mouse + rat traps caught
3 ♂ peromyscus, 3 ♂ + 2 ♀ Raithrodontomys

1120 Raithrodontomys ♀ 9.g 122-64-16-9
Caught in tall thin grass near water.

1121 Peromyscus F. ♂ 23.g 172-90-21-17
Caught on edge of arroyo

1122 Black turnstone ♀ 128.g
Shot on rocks out in surf.

not catalogued — for deposit elsewhere (Helsingfors)
1123 Large Billed Sparrow 21.5g Ad.?
Shot on low weed on mesa.

1124 Calif Horned Lark Ad. ♂ 29.5g
Shot on ground on mesa.

not catalogued — for deposit elsewhere
1125 " " " Ad. ♂ 29.5g
Shot on ground, grassy mesa.

1126 " " " Ad. ♀ 29.g
Shot on ground, grassy mesa.

1127 " " " Ad. ♀ 28.2g
Shot on ground, grassy mesa.

1128 " " " Ad ♂ 29.5g
Shot on ground, grassy mesa.

1129 Sparrow Hawk Ad. ♀ 122.3g
Shot on post.

1130 ~~Sigmodon~~ ~~Microtus~~ ♂ 82.5g 200-57-24-12
No skull. Caught in grassy spot near running water in arroyo.
Rebaited all traps tonight
The storm has not left us yet.
This makes hunting poor + hard.

Green 1927

Five miles S. of Monument 258
West coast of, Lower Calif, Mex.

Dec. 30, 1927

Thirty five mouse + rat traps caught 1 ♀ perognathus, 1 ♀ + 2 ♂ peromyscus, 2 ♂ & 1 ♀ Raithrodontomys, 1 ♀ Neotoma. Four steel sets caught the toe of a coon the same trap and the same coon.

1131 Neotoma ♀ 186.g 335-152-33-25
Caught under nest in lyceum + cactus.

1132 Bell sparrow. Ad. ♂ 17.5 g
Shot on clump of lyceum bushes.

1133 " " Ad ♂ 17. g (not cataloged - for deposit elsewhere)
Shot on top of lyceum bushes

1134 Calif Thrasher Ad. ♀ 94. g
Shot on top of sumac tree

1135 Sparrow Hawk Ad. ♂ 100. g
Shot on dead uper branch of sumac tree.

1136 Calif. Shrike. Ad. ♀ 43. g
Shot on top of stick 10 ft. tall.

1137 Valley Quail. Ad. ♂ 153. g
Shot while flushing from heart of cactus patch.

I rebaited all traps tonight. It rained most of the day a light sprinkle.

Green
1927

Five Mi. S. of Monument (98 258
West coast of, Lower Calif, Mex.

Dec. 31, 1927

Thirty five mouse & rat traps caught 3♂ & 3♀ Raithrodontomys, 2♀ Neotoma, 1 Juv. ♂ peromyscus. Four steel sets caught nothing.

not catalogued – for deposit elsewhere
1138 Large Billed Sparrow. 22.5 g Ad ♂
Shot from top of lyceum bush.

1139 " " " Ad ♀ 20. g
Shot from top of cactus

not catalogued – for deposit elsewhere
1140 " " " Im ♀ 20. g
Shot from low grey weed.

1141 Savanna Sparrow. Ad. ♂ 16. g
Shot from lyceum bush.

1142 " " Im. ♀ 17. g
Shot on bluff of cliff at seashore.

1143 Bell sparrow. Ad. ♂ 16.2 g
Shot from cactus stalk.

1144 Green Backed Gold finch. 9.7 g Ad. ♂
Shot from middle of sumac tree.

1145 Neotoma ♀ 160. g 325-153-33-27
Caught on edge of arroyo by brush patch.

I rebaited all traps tonight.
I have seen several sets of bobcat tracks recently on mesa above the sea shore. The Savanna Sparrow No 1142 had intestinal worms sp. same as quail of Dec. 27 page 94.

Green 1927

Five mi. S. of Monument 258
West Coast of, Lower Calif., Mex.

Jan. 1, 1928

Thirty five mouse & rat traps caught nothing. Four steel sets caught one Buzzard in a gulley on the edge of the cliff above the beach.

1146 Valley Quail ♂ 143.2 g
Shot when flushing from lyceum bush.

1147 " " ♀ 137. g
Shot when flushing from cactus patch.

1148 Golden crowned sparrow Ad ♂ 35. g
Shot from top of dead cactus stalk.

1149 Black tailed gnatcatcher Ad ♀ 8.2 g
Shot in middle of lyceum bush.

1150 Bell Sparrow Ad ♂ 16. g
Shot on top of lyceum bush.

I took up all traps tonight excepting the steel sets.

Green
1928

Five mi. S. of Monument 258
West Coast of, Lower Calif., Mex.

Jan. 2, 1928

1151 Lincoln Sparrow Ad. ♀ 16. g
Shot from top of sumac bush.

1152 Rufous Crowned Sparrow Ad. ♂ 18. g
Shot on top of fence post.

I saw two pair of surf scoters feeding in the surf this morning and several flocks of 15 & 7 flew by. I saw another flock of bush tits this morning and shot one which was too badly shot to save. At this camp the birds seem to run from a squeak rather than approach.

Green 1928 South end Ville de Las Palmas 1200 ft
Lower Calif., Mex.

Jan. 5, 1928

1153 Red shafted Flicker ♂ 148.5 g
Shot from top of cottonwood tree.

1154 San Diego Wren Ad. ♂ 8.5 g
Shot in clump of arrow weed

not catalogued - for deposit [illegible]
1155 Brown towhee Ad. ♂ 42.5 g
Shot while running thru arrowweed.

1156 Yellow throat Ad. ♂ 9. g
Shot in arrowweed by stream.

1157 Ruby Crowned Kinglet. Ad. ♂ 5.1 g
Shot in arrowweed.

I set out 25 mouse and rat traps along side of stream under the cottonwood trees and in the arrow and spear grass. A few along the face of the canyon wall by stream. I set 6 steel sets along the preceding trap line.

Green
1928

South end of Valle de Las Palmas
Lower Calif., Mex. 1200 ft.

Jan. 6, 1928

Twenty five mouse & rat traps caught nothing. Six steel sets caught nothing.

1158 Raven ♂ 1½ pounds. Shot while sailing over camp.

1159 Calif Screech owl ♂ 128.2 g
Shot when it was scared out of hollow dead tree

1160 San Diego Song Sparrow Ad. ♂ 19. g
Shot on side of hill, sage brush.

1161 Hermit Thrush Ad ♂ 22. g
Shot on dead bush in Cotton wood thicket.

not catalogued — for deposit elsewhere
1162 Black phoebe Ad ♀ 19.5 g
Shot on outer branch of willow above stream.

1163 " " Ad ♂ 17. g
Shot on rock in stream.

1164 Calif Brown towhee Ad ♂ 42.2 g
Shot from top of bush. hillside

1165 Hutton Vireo Ad ♀ 9. g
Shot in Cotton wood thicket.

I set 25 more mouse & rat traps along sandy bank under rocky ledge by stream. I also set a steel set beside stream. A truck is stuck here so I guess nothing will visit the steel set tonight.

Green
1928

South end of Valle de Los Palmas
1200 ft.
Lower Calif., Mexico.

Jan. 7, 1928

Fourty mouse & rat traps caught 3 peromyscus 2♂ + 1♀. Seven steel sets caught nothing.

not cataloged – for deposit elsewhere
1166 Sparrow Hawk ♀ 111.1 g
Shot from top of Cottonwood tree

not cataloged – sent to John E. Thayer
1167 Calif Quail ♂ 153.5 g

not cataloged – sent to John E. Thayer
1168 " " ♀ 150. g

1169 " " ♂ 148. g

1170 " " ♀ 148. g

1171 " " ♀ 149. g

(all quail were shot in sandy river bottom in Willows.)

not cataloged – for deposit elsewhere
1172 Brown towhee Ad ♂ 45. g
Shot on road on hillside.

I took up 10 mouse & rat traps tonight. The birds are very wild and scarce around here.

Green
1928

South end of Valle de Las Palmas.
1200 ft.
Lower Calif., Mexico

Jan. 8, 1928 Sunday.

Thirty mouse and rat traps caught two ♂ peromyscus. Seven steel sets caught one skunk.

1173 Skunk ♂ 3½ pounds 624-240-72-19 Caught under cotton wood trees in cow trail in arrow weed & grass. Adobe soil.

Green 1928 — 1200 ft. South end of Valle de Las Palmas
Lower Calif., Mexico.

Jan. 9, 1928

Thirty mouse & rat traps caught 2 ♂ & 2 ♀ Peromyscus. Seven steel sets caught nothing. But one set in sand under willows was dug up by a Racoon leaving both traps of the set exposed.

1174 Nuttalls Woodpecker ♀ 35. g
Shot from top of Willow sprout.

[illegible]
1175 Cotton Tail Rabbit ♀ 347-95-90-95
Shot in willow in dry river bed.

maniculatus
1176 Peromyscus ♂ 22.2 g 157-64-21-15
caught under lg. bush.

[illegible]
1177 Peromyscus ♂ 18. g 191-119-21-17
Caught under rocky ledge.

I took up one steel set and moved another from the side of the stream to a long stretch of sand, an old dry river bed overgrown with willows & arrowweed.

1178 Sparrow Hawk ♀ 127. g
Shot from top of Cottonwood tree.

Green
1928

South end of Valle de Las Palmas 1200 ft
Lower Calif., Mex.

Jan. 10, 1928

Forty mouse & rat traps caught 3 ♂ <u>peromyscus</u>, 1 ♀ <u>perognathus</u>. Six steel sets caught nothing.

1179 <u>Peromyscus</u> ♂ Calif. 30.1 g 235-133-25-23
Caught under Cotton Woodtree, arrowweed.

1180 " ♂ 20. g 157-67-21-17
Caught in sandy river bottom, Willows.

1181 <u>Perognathus</u> (fallax) ♀ 16.2 g 174-96-23-7
Caught under rocky ledge.

not catalogued — for permanent deposit elsewhere
1182 <u>Mountain Song Sparrow</u>. 20. g Ad. ♂
Shot on low bush in river bottom.

1183 <u>Dotted Canyon Wren</u> Ad ♂ 10.5 g
Shot on side of rocky hillside.

not catalogued — for deposit elsewhere
1184 <u>Nuttalls Woodpecker</u> ♂ 35. g
Shot on willow.

discarded
1185 <u>Brown Towhee</u> <u>Discarded</u> 42. g
<u>Discarded</u> Shot in low bush

1186 <u>Sparrow Hawk</u> ♀ 109.5 g
Shot from top of Cotton woodtree

1187 " " ♀ 118. g
Shot from cotton wood tree.

1188 <u>Lizard</u>

1189 " } Caught in rocks.

1190 "

South end Valle de Las Palmas
Lower Calif., Mex.

Jan. 10, 1928

I set 15 more mouse and rat traps along edge of river in water cress & marsh grass. Birds and mammals are extremely scarce in the willow association.

Green
1928

South end Valle de Las Palmas
1200 ft.
Lower Calif., Mex.

Jan. 11, 1928

Fifty five mouse & rat traps caught 3 ♂ + 1 ♀ peromyscus.
Six steel sets caught nothing.
The racoon which had uncoved a steel set before, sprung another trap today.

1191 Vesper Sparrow Ad. ♂ 24. g
Shot in arrow weed & sand.

1192 Calif Shrike Ad ♀ 44.5 g
Shot from top of Cottonwood tree.

1193 Rufous Crowned Sparrow Ad. ♀ 16. g
Shot on low brush on hillside.

1194 " " " Ad. ♂ 15.5 g
Shot on low brush on hillside

1195 Peromyscus ♂ 18.8 g 184-110-20-17
Caught in rocky wash.

Reset + rebaited all traps tonight. I saw another Canyon Wren today.

Green
1928

South end of Valle de Las Palmas
1200 ft.
Lower Calif., Mex.

Jan. 12, 1928

Fifty five mouse & rat traps caught 1♂ & 1♀ dipodomys, 3♂ & 1♀ peromyscus, 1♂ perognathus. Six steel sets caught one Mephitis & one towhee.

1196 Red Shafted Flicker ♀ 147.g
Shot in top of cottonwood tree.

1197 Nuthalls Woodpecker ♂ 36.6 g
Shot from overhanging branch of willow.

1198 Brown towhee 41.g
Caught in steel set (Think dropping for bait. The same trap I caught the rat skunk)

1199 Song Sparrow Ad ♀ 20.g
Shot on side of bank by stream.

1200 Peromyscus (maniculatus) ♂ 22.g 166-76-22-17
Caught in sand, arrow weed & willows.

1201 Mephitis ♂ 3lbs. 610 — 230-70-10
30 yds. from other catch. Near cliff.
Caught under cottonwood trees in arrowweed.

1202 Dipodomys ♂ 61.5 g 291-183-42-16
Caught in sand, willows & arrowweed

1203 Anna Hummingbird Ad. ♂ 4.g
Shot on top of small bush. Resting.

Rebaited all steel sets with bacon.

Green 1928

South end of Valle de Las Palmas
1200 ft
Lower Calif Mexico

Jan. 13, 1928

Fifty five mouse + rat traps caught, 3♂+2♀ peromyscus, 1♂, perognathus, 1♂ Raithrodontomys, + 2 ♀ Neotoma. Six steel sets caught nothing.

1204 Calif Towhe Ad.♂ 45. g
Shot in brush on Hillside

1205 Dotted Canyon Wren Ad.♂ 12.5 g
Shot from top of tall rock } these two were together

1206 " " " Ad ♀ 12. g
Shot from top of tall rock

not catalogued — for deposit elsewhere
1207 San Diego Wren Ad. ♂ 9.5 g
Shot in brush pile.

1208 " " " Ad. ♂ 9.3 g
Shot in willow thicket.

1209 Rufous-crowned Sparrow Ad.♂ 16. g
Shot from top of sage on Hillside

1210 " Discarded " 16.5 g

not catalogued — for deposit elsewhere
1211 " " " Ad ♂ 17.3 g
Shot on hillside in low brush.

I put out another steel set tonight in the sand in the river bottom. I made a 4 trap set out of the set for coon hoping he can't dig up four traps

Green 1928

South end of Valle de Las Palmas
1200 ft.
Lower Calif, Mexico.

Jan. 14, 1928

Fifty mouse & rat traps caught 1♂ + 1♀ Peromyscus, 1♂ Dipodomys; + one Song Sparrow. Five steels caught one Coyote.

1212 Dipodomys ♂ 63.5 g 292-76-43-14

Caught in sand & willows, river bottom.

1213 Peromyscus ♂ 20.5 g 157-71-22-17

Caught in sand & arrow weed river bottom.

1214 Road Runner ♀ 285. g

Shot on edge of road by bush.

1215 Coyote ♀ 16 lbs. 1070-320-170-120

Caught in middle of sand bar in dry bed of river. Woodrat for bait.

1215 Skeleton of Coyote.

I took up all mouse & rat traps but left the five steel sets out. The Raccoon seems to come to the trap by the river every other night so it look like I aught to get a last chance at him tonight with the new 4 trap set. He is certainly clever about going around traps and digging them up.

Grey 1928

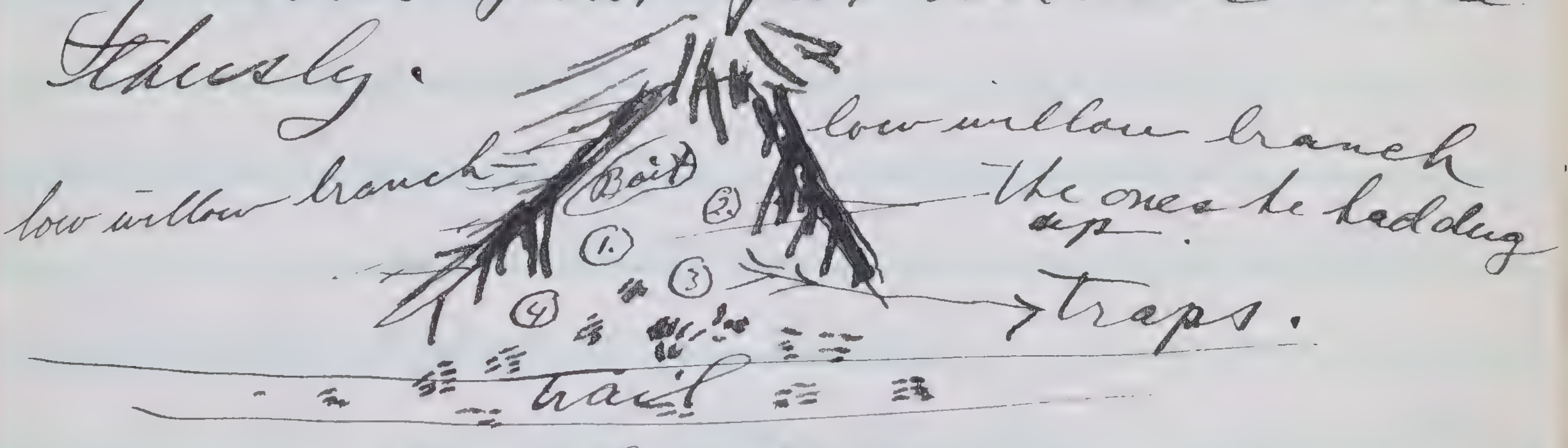
South end of Valle de Las Palmas
1200 ft.
Lower Calif. Mexico
Jan. 15, 1928

Five steel sets caught one coon + one raven.

Procyon 1216 Raccoon ♀ 10¼ lbs 800-250-125-50
This is the same coon who had been fooling me. Caught under willows beside stream.

Procyon 1216 Skeleton of Coon.

The coon was well caught, by both front feet the was made thusly.



Marshy stream

I caught the raven ~~the~~ in the same traps that I caught the ♀ coyote yesterday. I saw coyote tracks by the set which proved that another coyote had come to the set last night and killed the Raven that was caught.
I took up all steel sets today as we leave tomorrow.

Grey
1928

Alamo River 50 ft.
20 miles S. W. of Pilot Knob
Lower Calif, Mex.

Jan. 19, 1928

Twenty five mouse & rat traps caught 3 ♀ & 2 ♂ peromyscus. 1 ♀ Neotoma.
My mouse & rat traps are set along the river in Willows & cottonwood Trees. The soil is sandy silt.

1217 Neotoma ♀ 230. g 370-174-38-25
Caught near dead willows in open space.

1218 Peromyscus ♂ 22.7 g 163-74-22-17
Caught in willows (dead).

1219 Calif House Finch 20.2 g Ad ♂
Shot from top of Cottonwood trees.

1220 Gila Woodpecker ♂ 61.5 g
Shot from trunk of Cottonwood tree

1221 Hermit Thrush Ad. ♂ 22.5 g
Shot on ground 5 yds from camp.

not cataloged — for deposit elsewhere

1222 Cactus Woodpecker ♂ 34. g
Shot on willow stalk

1223 " " 28. g
Shot from top of Cottonwood tree

1224 Formalin {Formalin " 33.5 g
Shot from top of willows.

I set out two steel sets & 15 more mouse & rat traps tonight. I caught a towhee & a ♂ peromyscus in my traps as daylight catches. Last night I heard & got a glimpse of a screech owl by flash-

Grun
1928

Alamo River 50 ft.
20 mi. S.W. of Pilot Knob.
Lower Calif., Mex.

Jan. 19, 1928

light. There was a pair of them calling back + forth with their co-co-co-co-co- and a low chuckling somewhat like a rat gnawing dry leaves. The woodrats were prowling and gnawing all thru our camp trying to get in the grub. I saw a Yellowthroat the only bird which Mr. Lamb did not see today. He has the list of the others. The ~~first~~ steel set is set 20 yds from road near willows + cottonwoods, + baited with dove. The secound is baited with Peromyscus and a towhee and is set by a trail in flat sandy silty country which has been cleared and is now overgrown with low brush.

Green
1928

Alamo River 50 ft.
20 mi. S.W. of Pilot Knob
Lower Calif.; Mex.

Jan. 20, 1928

Forty mouse + rat traps caught 3♂ + 2♀ peromyscus. Two steel sets caught nothing.

1225 Peromyscus eremicus ♂ 23.3 g 183-92-20-19
Caught in Willows + arrowweed. sandy soil.

1226 Peromyscus maniculatus ♀ 19.5 g 152-67-21-15
Caught in Willows + arrowweed, sandy soil.

1227 Black Phoebe Ad ♀ 18. g
Shot on out side branch of willow.

1228 House Finch Ad ♂ 20.5 g
Shot from top of Cottonwood tree.

~~1229~~ I took up all traps tonight and reset 7 steel sets + 10 rat traps out in sand dunes + silt. The tracks of ~~of~~ Kit foxes + coyotes seem fairly numerous but it is hard to tell as the tracks keep indeffinatley. I heard another screech owl and several horned owls tonight.

Green
1928

Alamo River 50 ft.
20 mi S.W. of Pilot Knob
Lower Calif., Mexico

Jan. 21, 1928

10 rat traps caught 2 ♂ + 1 ♀ Dipodomys Deserti. 7 steel sets caught one young cottontail, one roadrunner, one dipodomys.

not catalogued — for deposit elsewhere
1229 Myrtle Warbler Ad. ♀ 10.7 g
Shot on dead willow snag.

1230 Black Phoebe Ad. ♀ 18.2 g
Shot on outside branch of willow tree.

1231 " " Ad. ♂ 20. g
Shot in dense growth of Willows.

1232 Dipodomys Deserti ♀ 93. g 315-185-50-12
caught in sandy silt hills.

1233 " " ♂ 110. g 358-212-55-14
Caught outside its hole.

1234 " " ♂ 126. g 350-203-55-14
caught Outside it burrow

not catalogued — for deposit elsewhere
1235 Cactus Woodpecker ♀ 22. g

I set 6 gopher traps out tonight near camp in silt + arrowweed.

Green 1928

Alamo River, 50 ft. 20 miles S.W. of Pilot Knob 117

Lower Calif Mex

Jan 22, 1928

10 rat traps caught 1♂ + 1♀ dipodomys Merriami, 1♂ Dipodomys Deserti. 6 gopher traps caught one ♂ Thomomys. 7 steel sets caught one ♂ mephitis + one ♀ dipodomys Merriami.

1236 Mephitus ♂ 4 lbs. 670-250-80-13

Caught in open sandy spot in dry sand hills, low brush surrounding it.

1237 Dipodomys M. ♀ 33.g 240-138-37-7

Caught near burrough in sandy silt.

1238 Thomomys. ♂ 186.2g 240-80-35-5

Caught by river in sandy silt.

I set out 25 more mouse + rat traps tonight.

Green 1928

Alamo River 50 ft elevation
20 miles S.W. of Pilot Knob
Lower Calif., Mexico

Jan. 23, 1928

35 mouse & rat traps caught 3♀ & 2♂ Dipodomys Deserti; 3♀ 2♂ Dipodomys Meremi, 1♂ peromyscus, 1♀ thomomys caught in a gopher trap.

1239 Gila Woodpecker ♀ 67.5 g
Shot on top of cottonwood tree.

1240 Formalin } " " Formalin 55. g
Formalin shot from lower trunk of Willow tree.

1241 Audubon Warbler Ad ♂ 12. g
Shot in outer lower branches of tall willows.

1242 Willow Goldfinch Ad ♀ 11. g
Shot from top of mesquite in sand dunes.

1243 Arizona Goldfinch Ad ♂ 10.5 g
Shot from top of outer branches of cottonwood tree.

1244 Sierra Junco Ad ♀ 17.5 g
Shot in low dense willows

1245 Thomomys ♀ 132. g 213-73-32-5
Caught in sandy silt in willows.

1246 Dipodomys Meremi ♂ 39.5 g 243-145-39-7
Caught in sandy silt, quail bush.

1247 Dipodomys Deserti ♂ 109. g 325-194-53-15
Caught near burrough in sand.

1248 " " ♀ 120. g 330-193-55-5
Caught near burrough in sand.

1249 Ash-throated Flycatcher Ad ♀ 27.5 g
Shot in cottonwoods & willows.

Green
1928

Alamo River 50 ft elev.
20 mi S.W. of Pilot Knob.
Lower Calif; Mex.

Jan. 24, 1928

35 mouse + rat traps caught 5 ♂ + 5 ♀ Dipodomys Merriami, 1 ♀ + 1 ♂ Dipodomys Deserti, 1 ♂ + 1 ♀ peromyscus, 1 ♂ Onychomys. 7 steels caught nothing.

1250 Onychomys (torridus) ♂ 25.5 g 144-52-21-7
caught in sand + silt in open.

1251 Dipodomys Deserti 118. g 312-180-52-14
caught near burrough in sand.

1252 " Merriami ♀ 33. g 227-134-38-11
caught near burrough in sand.

1253 ~~Gilatt~~ Red-naped Sapsucker ♀ 58.5 g
Shot on top of Cottonwood tree.

1254 House Wren Ad. ♂ 12.5 g
Shot in quail bush.

1255 Red shafted Flicker ♂ 153. g
Shot on outer limb of willow.

1256 ~~Chrysol~~ Crissal Thrasher Ad ♂ 63. g
Shot on top of dead willows

1257 Gambel Quail ♂ 187. g
shot while crossing road

1258 " " ♀ 176. g
Shot while crossing road.

today my steel sets caught one -Scteller & a roadrunner.
I took up one steel set + made ~~a~~ trap set out of another.

[illegible]

Green
1928

Alamo River 50 ft
20 mi. S.W. of Pilot Knob
Lower Calif Mex

Jan. 25, 1928

35 mouse & rat traps caught 3 ♀ Dipodomys Deserti, 8 ♂ + 3 ♀ Dipodomys Merriami, 1 ♀ Raithrodontomys, 1 ♀ peromyscus. 6 steel sets caught nothing one sprung by mice.

1259 Citellus ♂ 87.3 g 245-85-38-3
caught in sand & silt.

1260 Myrtle Warbler Ad ♀ 11.5 g
Shot over camp in cottonwood tree.

1261 Raithrodontomys ♀ 9. g 134-70-18-12
caught in low arrowweed & sand.

1262 Dipodomys Deserti ♀ 101.5 g 293-167-50-15
Caught in sandy silt

1263 " " ♀ 89. g 316-196-50-15
caught in sandy silt.

1264 " Merriami ♂ 37. g 240-147-39-11

Today my steel sets caught two roadrunners.

Green
1928

Alamo River, 50 ft. 121
20 mi. S.W. of Pilot Knob
Lower Calif., Mex.

Jan 26, 1928

35 mouse & rat traps caught one ♀ + 1♂ Dipodomys Deserti, one ♀ Mus Musculus, 5 ♀ + 1♂ Dipodomys Merriami, 1♂ Neotoma. Six steel sets caught one neotoma ♂. Rat traps caught 1♂ ~~Onychomys~~ onychomys + 1♂ ~~peromyscus~~ peromyscus

1265 Onychomys ♂ 24.g ~~137~~ - 50 - 21 - 16
Caught in sandy sild near Deserti burrough.

1266 Neotoma ♂ 283.5g 358 - 167 - 37 - 28
Caught in steel set on edge of willows & desert

1267 Vermillion Flycatcher Ad. ♂ 13.g
Shot over campor on dead willows.

1268 Viriden Ad ♂ 6.5 g
Shot in willows & mesquite on mesquite.

1269 Dipodomys Merriami ♀ 30.g 122-130-36-11
Caught in sandy silt.

1270 " " ♀ 29.g 240-140-36-11
Caught in sandy silt.

1271 " " ♀ 30.5g 223-130-33-9
Caught in sandy silt.

1272 " " ♀ 35.g 226-130-34-11
Caught in sandy silt.

Reset all traps tonight & caught another roadrunner which was eaten by a marsh hawk

Green
1928

Alamo River 50 ft. 122
20 miles S. W. of Pilot Knob.
Lower Calif., Mex.

Jan. 27, 1928

35 Mouse + rat traps caught 1 ♂ Neotoma, 1 ♀ Perognathus, 3 ♀ + 3 ♂ Dipodomys Merremi, 1 ♀ Deserti; 2 ♀ 1 ♂ Peromyscus 1 ♂ Mus Musculous. 6 steel sets caught two Mephitus + on set sprung.

1273 Mephitus ♂ 6 lbs 690-335-75-18
Caught in sand near Willows + cottonwoods.

1274 " " ♀ 3½ lbs. 650-305-67-18
This skunk has black feet
Caught in sandy silt openspace surrounded by grass brush.

1275 Red tail Hawk 910. g.
Shot over Willows + cottonwoods

Discarded
1276 Gila Woodpecker ~~72~~. g Discarded
Shot on Cotton wood tree

1277 " " 69. g
Shot on main trunk of Cotton wood.

1278 Dipodomys Merremi ♂ 39. g 250-150-39-12
caught in sandy area.

discarded
1279 ~~" " ♂ 40. g~~
Caught in sandy area.

1280 " " ♀ 37.5 g 233-142-37-12
Caught in sandy area

1281 " " ♀ 34.5 g 235-144-37-12
caught in sandy area

I saw a Jack Rabbit out on the desert today.

Green 1928

Alamo River 50 ft.
20 mi. S.W. of Pilot Knot
Lower Calif, Mex.

Jan. 28, 1928

35 mouse & rat traps caught 1 ♂ & 1 ♀ perognathus, 3 ♂ & 3 ♀ Dipodomys Merriami, 1 ♀ Deserti, & 1 ♂ Raithrodontomys. 5 steel sets caught 1 roadrunner.

1282 Raithrodontomys (megalotis) ♂ 7.5 g 130-62-17-11
Caught in sand & arrowweed.

1283 Perognathus (penicillatus) ♀ 16.5 g 175-100-22-6
Caught in sand, arrowweed & greasewood.

skeletons (1284 Dipodomys Merriami (merriami) ♀ 38. g 245-150-37-11
Caught in sandy silt, arrowweed.

1285 " " ♀ 34. g 243-150-38-10
Caught in sandy silt, arrowweed & greasewood.

1286 Discarded " ♀ 33. g 222-132-37-12
discarded Discarded
1287 Discarded " ♂ 37.5 g 243-153-38-11

skeleton 1288 Dipodomys Deserti ♀ 106. g 330-203-55-15
Caught in front of burrough.

1289 Say Phoebe Ad ♂ 19.5 g
Shot from top of mesquite.

1290 " " Ad ♀ 19.3 g
Shot from outside branch of Cotton wood tree.

1291 Western Horned Owl ♀ 1309. g {Shot from top of lg. cotton wood tree in the center of heavy foliage.
Ovaries contained large eggs.

1292 Cactus Woodpecker ♂ 37. g
Shot on willow trunk

1293 (not catalogued for deposit elsewhere) " " 30. g. Shot in willows

Green
1928

Alamo River 50 ft.
20 mi. S.W. of Pilot Knob
Lower Calif., Mex.

Jan. 29, 1928 Sunday

I saw a flock of a-bout 40 to 50 Little Brown Cranes going north this morning. Their call is similar to the White or Snow Geese. Did odd jobs around camp today. I baited + set all traps tonight + moved one steel set to a runway where the Kit Foxes seem to travel. I made a blind set there.

Alamo River, 50 ft.
20 mi. S.W. of Pilot Knob
Lower Calif., Mex.

Jan. 30, 1928

35 mouse & rat traps caught 1 ♀ Perognathus, 3 ♂ Dipodomys Deserti, 4 ♂ & 2 ♀ Dipodomys Merriami - Five steel sets caught 1 cottontail & 1 ♂ & 1 ♀ Mephitis.

not catalogued — for deposit elsewhere
1294 Gila Woodpecker ♀ 58.g
Shot on cotton wood tree near top.

1295 Perognathus penicillatus ♀ 19.g 188-103-27-6.
Caught in dead broken arrowweed.

1296 Mephitis ♂ 5½ lbs. 680-260-80-16
Caught on dessert 1/4 mile from water.

1297 " ♀ 2½ lbs. 595-275-68-14
Caught on dessert 1/3 mile from river.

1298 Dipodomys Deserti ♂ 122.5 g 345-200-57-15
Caught near burrough in sand.

1299 " " ♂ 123. g 333-197-59-16
Caught at mouth of burrough in sand.

1300 " Merriami ♂ 39.g 245-145-38-12
Caught in sand on desert

1301 " " ♂ 34. g 230-133-37-12
Caught in sand on dessert.

1302 Western Horned Owl ♀ 1195. g
Shot as it flew from cottonwood.

1303 Lizard. Found in sand buried, I found it when I dug down to set a coyote trap. A coyote killed a rabbit 5 yds. from one of my traps and left it half eaten. I used it for bait hoping to catch it.

Green
1928

Alamo River 50 ft.
20 mi. S.W. of Pilot Knob
Lower Calif., Mex.

Jan. 31, 1928

35 mouse & rat traps caught 3 ♂ & 3 ♀ Dipodomys Merrimi, 1 ♂ & 1 ♀ Dipodomys Deserti; 1 ♀ peromyscus, 1 ♂ Onychomys. Five steel sets caught 1 ♂ Dipodomys. & 1 ♀ Mephitus.

1304 Mephitus ♀ 4 lbs, 650-275-75-12

Caught in dessert association ~~1/4~~ mile from water.

1305 Ash Throated Flycatcher Ad. ♂ 30. g

Shot from top of Mesquite tree.

1306 Onychomys. ♂ 143-51-21-13 (24. g)

Caught on dessert under quail bush.

Skeleton
1307 Dipodomys Deserti ♀ 337-200-53-15 (96. g)

caught in front of burrough in sand.

The skunks no 1304 & 1274 both have black feet but the other have brown pads, I mean the underside of the feet. Three skunks had worm parasites btween the skin and body muscles in layers of fat. These worms were slender as thick silk thread and average length a-bout 7 inches. I found them in bundles loops and curvers wound around each other from the tail to the head of the skunk. They were not the segmented type of worm parasite. The skunks seemed ~~healthy~~ healthy.

Green
1928

Five miles East of Cerro Prieto 30 ft.
Lower Calif., Mex.

Feb. 3, 1928

1308 Tree Swallow Ad. ♂ 22. g
Shot over old flooded cotton field.

1309 Western Yellow Throat Ad ♂ 10. g
Shot on edge of reservoir in tulles.

We made camp last evening. The camp is beside one of the large canals flowing from the Alamo. Around us there is a series of cotton field, deserted and partialy flooded in places. There is a larg pond or reservoir nearby surrounded by tulles and ~~occupying~~ containing many mudhens + ducks. The only road to this place run on top of the levee for miles. I set out one steel set last night baited with a rotten orange but nothing was caught. I set out 10 rat traps on the edge of some tulles in mud. I shot two Musk Rats but only one had a fairly good skull.

Green
1928

Five miles East of Cerro Prieto
30 ft.
Lower Calif., Mex.

Feb. 4, 1928

10 rat traps caught — 2 ♂ Peromyscus
+ 1 ♂ Sigmodon.

1310 Sparrow Hawk ♂ 92. g
Shot on top of small telephone post.

1311 Sora Rail ♂ 78.5 g
Shot while swimming in tulles.

1312 Say Phoebe Ad ♂ 21.5 g
Shot on telephone wire over tulles & water.

1313 Musk Rat ♂ 761.5 g 447-166-70-15
Shot while swimming in tulles
in reservoir.

I set out 2 steel sets tonight
beside old road.

Green
1928

Five miles East of Cerro Prieto 30 ft.
Lower Calif., Mex.

Feby. 5, 1928

10 rat traps caught 2 ♂ peromyscus.
2 steel sets caught one Buzzard.

1314 Sigmodon ♀ 90. g 243-110-35-15
Caught on levee by reservoir under Quail brush.

{1315 skeleton} " ♂ 92. g 247-105-33-16
Caught on levee by reservoir under Quail brush.

1316 Musk Rat ♂ 672. g 450-192-66-16
Shot by Lamb in tulles.

Today we saw a huge flock of California Gulls approximately 200. They were way high almost out of sight. I continued to watch and with out a notice of any kind the flock split and started for the earth. It sounded like a wind blowing over a large boiler and as they came nearer the noise of their wings grew so great that I felt like a great tornado was coming down upon us. When they were fifty yards from the earth they joined; circled the pond a few times and climbed out of sight again. I saw no bird of prey after them

Green
1928

Five miles East of Cerro Prieto 30 ft.
Lower Cal. Mexico

Feb. 6, 1928

20 mouse & rat traps caught 1♂ + 1♀ peromyscus. two steel sets caught nothing.

1317 Musk Rat ♂ 731.4 g 465-190-65-12
Shot on platform of quail brush sticks.

1318 " " ♂ 619.5 g 437-184-70-15
Shot while swimming in tulles.

1319 Sonoran Redwing ♂ 69. g
Shot while flying over pond.

The muskrat no 1317 was shot on a platform of sticks raised a couple of inches above the surface of the water in the resivour. The platform rested on top of a supmerged Quail Brush bush. The platform consisted of short sticks 1/3 inch in diamete and matted together with mud & droppings. I saw a Bob cat tonight accross the canal but a shot of sixes only hastened its speed. It seem very large and of a Greyish hue. A Caracara stole the bait from one of my traps this morning as I saw him eating it and found what was left when he flew off.

Green
1928

Five mi East of Cerro Prieto
30 ft.
Lower Calif., Mexico

Feby. 7, 1928

20 mouse + rat traps caught two ♂ perognathus + two ♂ peromyscus. Two steel sets caught nothing.

1320 Red-shafted Flicker 91.5 g
Shot on south side of cannal in Willows.

1321 Tree Swallow 21.3 g
Shot as it flew over levee.

1322 Perognathus ♂ 22.2 g 186-95-25-6
Caught in quail brush in cotton field.

1323 Peromyscus ♂ 26. g 163-75-20-15
Caught in cotton field under quail brush.

1324 Thomomys ♀ 154.5 g 235-85-34-6
3 embryos-30-
Caught in levee. Adobe + silt.

1325 " ♀ 146. g 235-83-34-6
Caught in levee. Adobe + silt.

Green
1928

Five miles East of Cerro Prieto 30 ft
Lower Calif., Mex.

Feb. 8, 1928

20 mouse + rat traps caught 1 ♀ & 1 ♂ peromyscus; 1 ♂ perognathus. Two steel sets caught nothing.

1326 Perognathus ♂ 17.g 185-98-24-7
Caught in quail brush in silty soil.

1327 Peromyscus ♀ 21.g 157-72-21-17
Caught in arrowweed.

{1328 skeleton} Thomomys ♀ 163.g 240-79-34-6
Caught in levee silty adobe.

1329 " 158.g 239-73-33-5
Caught in levee silty adobe.

1330 " 91.g 190-57-32-4
Caught in levee silty adobe.

I took up all traps this morning and made a steel set 1/2 mile up the road on south bank for beaver.

Five mi East of Cerro Prieto 30 ft.
Lower Calif., Mex.

Feb. 9, 1928

One Beaver set caught nothing.

1331 Thomomys 175.5 g 223-70-35-5
caught in levee silty adobe.

1332 " 123. g 213-67-33-5
caught in levee silty adobe.

1333 Cotton Tail Rabbit. ♂ 787. g 350-38-80-90
shot on levee near willows.

The Beaver that I made a steel set for last night deserted his former landing spot for a new one so I set another trap there to day. All of the natives here say the Beavers are extremely cunning. I saw a Tern of some kind flying on the other side of the pond to-day. I also saw a very large bird that was so high it looked like either a Condor or an Eagle I was unable to determine any color at all.

Green
1928

Five miles East of Cerro Prieto
-70 ft
Lower Calif. Mex

Feb. 10, 1928

Two Beaver Sets caught nothing.

1334 Musk Rat ♀ 695.g 451-199-67-15
shot while swimming in tulles.

1335 Red Head ♂ 1160.g
Shot while sleeping on reservoir.

1336 Cinnamon Teal. ♂ 317.g
Shot in pond surrounded by tulles.

I saw a pair of Avacets today in the old partialy flooded cotton field.

Five mi East of Cerro Prieto 30 ft.
Lower Calif Mex.

Feb. 11, 1928

Two Beaver sets caught nothing.

1337 Ruddy Duck ♂ 457.5 g } shot together on reservoir surrounded by tulles

(1338 skeleton " " ♀ 458.5 g

skeletons

1339 skeleton Thomomys 132. g ♀ 225-75-34-5
Caught on levee, sandy Adobe.

1340 skeleton Least Sandpiper ♀ 21.5 g
Shot on small silt bar in reservoir.

1341 Sage Thrasher Ad. ♂ 35. g
Shot on cane stalk on levee.

~~1342~~ I sat on a levee all morning behind some mud decoys hoping to get a shot at some geese or cranes. Several flocks of both flew by but there was just a slight pause or a few circles to show that they noticed the decoys. These decoys are oblong peices of mud the size & general shape of ducks & geese with peices of paper laid across their backs. I have used these decoys on mud flats for evening shooting with great success in Berkeley at Flemings Point.

Green 1928

Five Miles East of Cerro Prieto 136
30 ft.
Lower Calif., Mex.

Feb. 12, 1928 Sunday

I spent the morning at the ~~pond~~ by the decoys waiting for ducks & geese, cranes etc. I saw several flocks of cranes & geese, and a few ducks.

1342 Peice of willow cut by Beaver beside canal. 515 x 50

I took up the Beaver sets today.

Green
1928

Five miles East of Cerro Prieto
30 ft.
Lower California Mexico

Feb. 13, 1928

I spent the morning in blind by decoys but I saw no geese or cranes and only two flocks of ducks. The rest of the day was devoted to packing as we leave in the morning.

Grinnell, H. W.
Guerneville, Sonoma Co., Calif.
1913

Grinnell, H. W.
Guerneville, Sonoma Co., Calif.
June 10 - July 14, 1913
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1913
W. Grinnell

Guerneville, Sonoma Co. Calif

June 10

We are located at Monte Rosa (formerly known as Summerland), a small resort about one and one-half miles west of Guerneville, which is our postoffice.

The country here is Transition, with a strong infusion of Sonoran elements. The hillsides are thickly covered with a mixed growth of young redwoods, Douglas spruce, madrones, manzanita, and hazel-brush, with an occasional clump of huckleberry or poison oak. The meadows are dotted over with huge blackened redwood stumps, many of them partly overgrown with poison oak or wild blackberries. The creek is lined with willows, cottonwoods and alders, azaleas along its borders are in full bloom now. Of birds, I have seen California and coast jays, song sparrows, brown towhees, thrushes, chickadees, Allen hummers, Vaux swifts, valley quail and a belted kingfisher. The latter patrols the creek each

morning. Yesterday I heard the call of the California woodpecker, if I am not mistaken.

I have seen several woodrats nests built upon redwood stumps. Chipmunks (Eutamias hindsii) are abundant. On the summier hillsides gopher and mole workings are numerous, as well as in the garden of the resort. Trapping in the garden has brought in a mole and a gopher. The mole was caught in a trap set under a mound of fresh earth, which looked like a gopher's working.

A line of traps set along the fence at the edge of the pasture has yielded one Peromyscus boylei.

gopher ♀ 101.
mole ♀ 102.

June 11.

Bats are flying every evening. Only two sorts have been so far observed, a long-winged kind, two examples of which may be seen every evening flying

back and forth among the young redwoods near the tent. They seldom fly higher than six or eight feet above the ground. The other kind are shorter-winged and fly high above the tree tops. Last evening the last rays of sunlight left the hill-top at 7:25 P.M. and the first bat was seen at 7:45. None were observed after 8:30 P.M., altho I watched until 9:00 P.M.

June 12.

Went up to "Gabriel's Rock", the highest point about here early this morning. The steep south-facing slope near the summit is purely upper Sonoran, greasewood, mimulus, and poison oak being the most abundant shrubs. The greasewood was in full bloom. Here I saw and heard wrentits and goldfinches. A few Vaux swifts were flying about the rock.

Last evening I found a mole in one of the gopher traps. This mole, also was not taken under a mole

ridge but under a mound such as gophers make. The chipmunk was caught in a mouse trap baited with rolled oats.

mole ♀ 103
chipmunk ♂ 104
mouse ♀ 4 embs. 105
mouse ♀ 3 " 106

June 15

mole ♀ 107

The above mole was caught in gopher trap set under typical mole ridge. It was caught between 10: a: m and 4: P. m.

A pair of mourning doves, the first I have seen here, came down to the pool near camp to drink at sunset tonight.

June 16

gopher ♂ 108
mouse ♂ 109
microtus ♂ 110

June 19

towhee ♀ 111
" ♂ 112
mouse ♂ 113
" ♀ 114
" ♀ 115
" ♀ 116

Guerneville, Sonoma Co

June 19 (cont'd)

gopher snake 117

June 24

118 microtus ♂ 175 x 50 x 21

June 25

119 microtus ♂? 164 x 48 x 20

120 gopher ♂ 225 x 74 x 28

July 3

121 milk snake

This snake (no. 121) was found in the dry grass of the pasture. Upon being disturbed he coiled, just as a rattler does, and vibrated the tip of his tail rapidly; when a closer approach was made he uncoiled and slipped away thru the grass, still vibrating his tail.

July 7

122 spurred towhee ♀ juv.

July 9

123 woodrat ♂ 427 x 215 x 42

124 mouse ♂ 145 x 69 x 20.5 x 14

July 10

125 mouse ♂ 131 x 69 x 17 x 9

126 shrew ♂ 111 x 40 x 15

127 " ♂ 106 x 42 x 16

Guerneville, Sonoma Co, California

July 11

128 woodrat ♂ 442 X 223 X 44 X 23

129 shrew ♂ 121 X 45 X 16 skull only saved

July 14

130 shrew ♂ 119 X 44 X 17

131 lizard

Grinnell, H. W.
Yosemite Valley, Calif.
1915

Grinnell, H.W.
Yosemite Valley, Calif.
June 10 - November 14, 1915
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See published report:-

Animal Life in the Yosemite
by Joseph Grinnell and Tracy Irwin Storer
Univ. Calif. Press, Berkeley, 1924

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[illegible]
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June 10

Went out nest hunting from 6:30 to 7:30 this morning. The first nest found was that of a chipping sparrow. This nest was about two feet up in a young incense cedar and was a well-built and rounded cup of dry weed stems, lined with horse hair. The ~~mother~~ parent was brooding 4 greenish blue eggs, speckled around the larger end with black and brown. The nest tree stood in a gravelly clearing a quarter of a mile back from the river.

The second nest found was that of a spurred towhee, which flushed from almost under Stuart's feet. The nest was a deep cup of pine needles, bark, and grass stems and was lined with fine round grass stems and a little black horsehair. It was situated among the straw-berry plants under a small choke cherry bush. The four eggs were of a creamy ground

Yosemite, Calif.

color, thickly and finely splotched with reddish brown.)

Parent identified June 18 — Tolmie Warbler

The third nest was one foot up in a thimbleberry bush in a thicket near the stream's edge. It was made of pine needles, grass leaves and stems, and lined with round grass stems and black horsehair. The single egg was about the size of that of a chipping sparrow and was creamy white with brown splotches around the larger end.

A northern pileated woodpecker was seen in a tree top, and a flock of six band-tailed pigeons flew overhead.

June 12

We visited the chipping sparrow's nest this morning and found the parent sitting. She did not stir until my face was within 18 inches of her, when she slipped off the nest and onto a branch 3 inches beyond it, where she remained until

Yosemite, Calif.

we left her. A visit to the spurred towhee's nest showed both parents about and scolding vigorously.

The nest in the thimble berry bush held three eggs this morning, but again the parent eluded us.

At the base of a small stump among the ferns we found a fourth nest under a dried fern leaf canopy. This nest was a deep cup of bark lined with fine round grass stems. The parent whizzed away, flying low among the ferns, before identification was possible. The four eggs were slightly smaller than those of the spurred towhee and were bluish white finely speckled with reddish brown, especially around the larger end. Near this nest we found the dried remains of a flying squirrel upon the ground.

A golden crowned kinglet

parent bird identified June 17 as spurred towhee

Yosemite, Calif.

flew down past my shoulder to add one more insect to her already well-filled bill. We watched for some moments a spotted sandpiper as it teetered on a sandy shore twenty feet away from us.

June 17

Visited our nests today; found the spurred towhee's nest (nest 2) empty. There were four eggs in the warbler's nest (no 3) but the parent bird again escaped unseen.

J. startled an adult junco from her nest, which contained one egg and three newly hatched young, which were covered with dark gray natal down. The nest was on the ground at the base of a bent over bush. Across the single slanting stem of the little bush pine(?) needles were arched back and forth completely hiding the nest from every point of view save one, and the observer must stoop to see it from that side. It was too dark in the little cavern to enable one

to see what material was used in nest construction. Wild strawberry plants and ferns grew close about the nesting site.

In a shady spot among the pine trees we found a warbling vireo's nest in plain view 4½ above the ground in the forking of two almost leafless branches of a Rhamnus californicus bush. The parent was brooding four white eggs very sparingly flecked with tiny reddish brown specks. The color of the brooding bird blended well with the gray bark of the bush and the gray nest material, but the bright black eye was very conspicuous. She did not fly until we were within four feet of her. The nest cup was about three inches in diameter and measured 6½ inches around the bottom (3" / 6½") from rim to rim.

The nest at the stump base was visited and contents found to be still intact. The parent was seen and proved to be a spurred towhee. At the first towhee nest found both parents remained in plain view among the bushes and scolded vigorously. At this nest, however, only one parent has been ~~seen~~ glimpsed and it has slipped silently away.

A robin's nest was noted this afternoon by the path across the meadow, very near to Sentinel bridge. It was about ten feet up in a small sapling and the head of a young bird could be seen over the nest edge.

There is a blackbird's nest in a blackberry bush in this same meadow. The bush stands in a deep pool of water, so a near approach to the nest is impossible. Today, regardless of the scolding

parents we made our way to the edge of the pond, thru the marshy grass and saw four bob-tailed young blackbirds, which had left the nest but were still in the bush.

June 18.

Our chipping sparrow nest today contains four ~~very~~ young, evidently just hatched. The skin of the young is dark purplish red and the natal down is dark gray, which makes them quite inconspicuous in their cedar-shaded nest.

This noon as we sat at lunch under a black oak by the school house I heard a commotion among the black birds in the meadow. Going over to the fence, I saw four black birds flying around the head of a gray squirrel which was dodging about in the grass at the base of a clump of black berry bushes. The birds were scolding angrily and pecking violently at the air a few inches above the

squirrel's head. The pecking and dodging continued for perhaps two minutes and then the squirrel fled across the grass and up onto a fence post where he sat for a few moments nibbling some tiny object which he held between his forepaws. The four irate birds continued to dash about his head and back, which was protected by the bushy tail arched over it. The breeze was blowing so strong that I could not be sure whether he was waving his tail or the wind was blowing it; at any rate the flying hairs served as a protection against the onslaughts of the birds who hovered above him. Soon the squirrel leaped down from the fence, across the ditch and up one of the tall trees. An examination of the clump of blackberry bushes revealed a blackbirds nest in the midst of a tangle of blossoming branches and well-concealed among the leaves. The nest was 7 inches high, its base being 28 inches above

Yosemite, Calif.

the ground. It was made of dried branchlets of the blackberry and dried weed stems and well lined with black and white horse hair. The inside depth was 3½ inches, as was the inside diameter. The nest held four eggs which varied considerably in color, one having a white background finely and evenly flecked with indefinite blotches of tan color, another ~~was~~ also had the white background but the blotches were much larger and darker and were confluent at the larger end. The other two eggs were alike in markings and were so heavily and evenly flecked with small indefinitely-edged flecks of tan and brown that the ground color was entirely obscured. Since nest and contents appeared entirely undisturbed I cannot accuse the gray squirrel of any worse crime than that of causing agitation in the hearts of the parent birds!

Willard and Alvin tell me that yesterday they saw a ~~yo~~ gray squirrel chase a young black-

Yosemite, Calif.

bird in the meadow and that the fledgling escaped by fluttering across a pool of water and into the bushes

June 19

This morning we discovered a ~~ga~~ black-headed grosbeak's nest in the braches of a slender Rhamnus bush by the roadside. The brush had been cleared a few days ago and the land-clearers had left standing the single bush which held the nest, so it was exposed to the view of passers by. Our attention was attracted to the nest by the loud singing of the male, who was brooding the four small young. The young still had their eyes closed and their flesh was yellowish pink. The natal down was heavy, about 1/4 inch in length and white. When we passed by again at sunset the mother was brooding.

The nest was about three

and a half feet ~~#~~ above the ground and was a loosely constructed affair of fine needles and weed stems. It was unlined.

June 20

Went by the grosbeak's nest twice today. This morning at 8:30 the father was feeding each of the young in turn. Having emptied his bill he settled down to brood the young, who would otherwise have been exposed to the hot rays of the morning sun. When we passed at 5:30 in the evening the mother was brooding.

June 21

Visited all the nests today and found nothing changed, save that the little juncos were dead in the nest, and a few contour feathers of an adult junco were scattered about the nest opening. Apparently the adult had been seized and carried off by some

predaceous bird or animal. No trace of the other parent was seen. The young had apparently died of cold or hunger, as their bodies were unscarred.

A young robin seen today flew readily and seemed almost full grown, yet was still being fed by the parent.

The first young junco to be seen out of the nest was discovered today in the grass under some young cedars. My attention was attracted to it by hearing its calls for food. As I approached it fluttered away thru the grass, both parents calling excitedly from the cedars, one on each side of me.

June 22

The little chipping sparrows are growing very fast. Two of the warbling vireo's eggs hatched today.

June 24

The Tolmie warbler's eggs seem nearly ready to hatch.

All four of the warbling vireo's eggs have hatched.

One of the eggs of the spurred towhee near the stump has hatched, either yesterday or this morning.

The young chipping sparrows are out of the nest, and we found one of them dead on the ground beneath. They cannot fly yet, and I think were forced to leave the nest when still too young, as it had listed badly under their weight.

Saw three young juncos with their parents. They flew readily up into the trees when disturbed.

Watched a junco nest-building on the beam under the roof of the porch at cottage no. 6 this morning. This beam was about twelve feet above the ground and the space between

it and the roof was just six inches high. Both the beam and the ceiling of the porch are painted white.

This afternoon revisited nests. The blackbird's eggs are still intact. The young grosbeaks are growing fast. Three of the spurred towhees are out of the egg and the fourth egg is chipped.

Just beyond the towhee's nest, three feet up in the crotch of a thimbleberry bush, and very well shaded I found a newly completed nest, still empty.

Down near the stream edge and about seven feet up in a willow thicket we found the nest of a Russet backed Thrush with four nearly full-grown young. The ground about the base of the thicket is now dry, but two weeks ago, when I passed that way the water stood a foot deep around it.

About seven feet up in

a chokecherry thicket we found the nest of a Black-headed Grosbeak, with ~~fo~~ three young whose feathers are just beginning to show. The nest was in a crotch and of the usual loose construction and unlined.

June 25

Found the four Tolmie Warblers out of the shell this afternoon. They are pinkish yellow and quite naked.

The Warbling Vireo's are as usual. The fourth egg of the Spurred Towhee is still unhatched.

The four little Russet-backed Thrushes are still in the nest.

Found a second nest of the Warbling Vireo, about twelve feet up in a young black oak and three feet out from the main stem. The nest was securely anchored and composed of light gray

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bark fibres, weed stems and white spider egg cases. It contained four tiny young

June 26

The young Black-headed Grosbeaks in the Rhamnus Californicus bush by the roadside have their eyes open. All their feathers have broken from the sheaths.

The little Tolmie Warblers have a dark gray down which is purple where the sunlight strikes it.

The eyes of the Warbling Vireos in the Rhamnus Californicus bush are still shut.

The Russet-backed Thrushes have left the nest, but are still in the immediate vicinity, as is evidenced by the anxious calls of both parents who are on dead pine branches near by. The nest is a bulky affair set firmly down in the crotch of three willow branches which point

acutely upward and are about the size of a lead pencil. The greatest outside depth of the nest is six inches, inside depth two and one half inches; outside circumference of nest at top, fourteen inches; width of walls at top about three-fourths of an inch. Nest material is dry willow bark, grass leaves and stems, a few pine needles, leaf skeletons, and weed stems. The shreds of dry willow bark predominate. There is no moss or horsehair about the nest. The lining is of fine stems and roots loosely put in. Just without this inner lining is a layer dried sandy mud, as firm as tho cement were mixed with it.

Tolmie Warbler TLS — The new nest in the thimbleberry thicket contains two eggs, somewhat larger than a chipping sparrows. The ground color is creamy white with squarish flecks

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of reddish brown around the larger end.

The Junco at cottage 6 has apparently finished nest-building. The completed nest is a bulky affair of pine needles, weed stems and cedar bark. It straggles away down the outer side of the beam.

The fourth egg of the Spurred Towhee by the stump base was still unhatched this morning so I examined it and found the little one dead within the chipped egg, to the side of which it was firmly dried.

June 27

There are three eggs in the new nest in the thimble berry thicket.

June 28

There are four eggs in the new nest and the parent bird, a Tolmie Warbler, is sitting. The little Tolmie Warblers in the nest by the stump have

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disappeared. They were too young to have left the nest voluntarily.

June 29

The Junco's nest on the beam at cottage 6 fell to the ground today, apparently blown off the beam, and with it came two fresh Junco eggs. I replaced the nest.

Willard picked up a Gopher Snake about 18 inches long near the playground today. We released it as an object lesson to a crowd of small boys!

July 3

Visited the Blackbird's nest in the meadow; the eggs are still unhatched.

Looked into a Chipping Sparrow's nest two feet up in a wild rose bush by the flag pole in the school yard and found two tiny young.

July 4

Climbed to Columbia Point this afternoon. Found many

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White-throated Swifts and a few Violet-green Swallows circling about the rock.

July 5

Went up Sierra Point this morning. From the top of the trail saw about twenty-five Violet-green Swallows flying about just beneath but no Swifts. From this vantage point the violet-green on the backs of the swallows could be seen splendidly.

July 6

Watched a young Water Ouzel on a log in Indian Creek, about seventy-five feet north of the road to Kenneyville. He kept bobbing up and down in true adult fashion and winking, the white nictitating membrane flashing into view at every wink and showing very conspicuously. When disturbed he flew upstream and out of sight behind a small waterfall where the stream fell three feet over

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a tangle of pine roots and down into a small pool. I should judge from his appearance that he had been out of the nest only a few days.

July 7

Found the Warbling Vireo's nest in the Rhamnus bush empty today, also the Spurred Towhee's by the stump, but the scolding of the parent Towhee showed that the young were still in the vicinity. Climbed the young black oak to look at the Warbling Vireos there and the young took flight from the nest as my weight jarred the tree. They were fully feathered.

July 9

Spent an hour on the veranda at Glacier Point Hotel today. Guests were throwing lumps of sugar and bits of bread over the railing to the ground a few feet below, for the squirrels. One Ground

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Squirrel, one Golden-mantled Ground Squirrel and three Long-Eared (?) Chipmunks made frequent excursions from their hiding places in the brush a few feet away to gather in the crumbs, but the sugar lumps were left untouched by all save one individual), a Chipmunk.

July 13

Flying Squirrel. no. 132 ♀ 252 x 123 x 38 x 15 with skull

This squirrel was brought in by Mrs Miller's cat this morning about eight o'clock, evidently freshly killed. From the appearance of the skull and the softness of the bones I should judge it to be a young one.

July 15

This afternoon I noted a Western Robin feeding young in a nest in a tree close by Sentinel Bridge. The nest was built in the forks of a branch about 25 ft up and was placed

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over the stream. This indicates the latest nesting date that I have found in the Valley.

This evening a packer brought over to the cottage a young Marmot about ten inches long, head and body, and with a tail about 4 inches long. It drank water eagerly and then curled up to sleep with it's head between it legs. It was sent down from Tuolumne meadows by the boys.

July 16

This ~~after~~ morning just at sunrise I saw a small animal climbing about over the top of a 4 ft high manzanita bush back of the cottage. It proved to be a Ground Squirrel, which had evidently been gathering the green manzanita berries, as evidenced by the freshly cut stems.

The eggs in the blackbird's nest which was discovered on

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June 18 are still unhatched and were apparently deserted about July 10, as that was the last date upon which the parent flushed when I approached the nest.

July 18

Marmot no. 1338 juv. 328X106X60X21

The little Marmot died, I think, of starvation as I could find no bruises on it's body. It nibbled the edge of a lettuce leaf on Friday but refused to touch bread, raw potato or fresh clover leaves. I fed it on equal parts of warm water and condensed milk, but it disliked this and when strong enough tried to claw away the spoon.

July 30

This noon two of the school girls showed me the nest of a Traill Flycatcher in a blackberry bush in the meadow by the school house. The nest was 3 feet above the ground in the outer edge of a blackberry bush which grew

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close beside a slough. The nest was neatly made of grass and weed stems and was lined with horsehair. There were three small young. The only parent seen was very much concerned but rather shy, and would not approach the nest closely while I remained at hand, keeping instead hidden among the leaves or clinging to weed stems in the slough, constantly uttering notes of anxiety.

August 10

At six o'clock this evening I saw a Myotis californicus fly across a pool of water near the foot of Yosemite falls. It circled about several times, flying down to the surface of the water as tho drinking. Its thirst apparently satisfied, the bat flew over to the stream side and retired to a crevice between the boulders, where I shortly found it.

Myotis No. 1342 86 X 42 X 7 X 10

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August 15

This evening at early dusk, 6:30 I came upon a King Snake lying in the Eagle Peak trail, near the spring on the talus slope. The snake's head was hidden in a crevice between the rocks and he seemed very sluggish.

At the foot of the trail a few minutes later the children started a doe. Several deer have been reported on the valley floor within the past two weeks: a doe with two fawns, seen at camp 15 about 6:30 a.m.; two bucks, a doe, and two fawns along the creek near the junction of Yosemite Creek with the Merced; and a buck seen several times between the foot of the Eagle Peak trail and the foot-bridge to Camp Ahwahnee.

Lampropeltis p. multicincta no. 135

September 2

We lunched today on Lady Franklin Rock, near the base

of Vernal Falls. To judge from the scattered papers this is a favorite lunching place with tourists. Two blue jays, an excessively fat ground squirrel and three chipmunks immediatly made their appearance and approached within ten feet of us. From their actions we decided that they have learned to depend on pickhickers for at least a portion of their rations.

September 5

The berries of the chokecherry (Prunus demissa) and of the) coffeeberry (Rhamnus are in their prime just now. Within the past few days I have frequently observed flocks of seven or eight Western Tanagers feeding upon the ripe coffe beries. Ground squirrels, too, are very fond of them. This morning I saw three ground squirrels in the top of one Rhamnus bush. Little heaps of the clean seeds lie upon the flat-topped

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rocks about the bush, giving one the impression that the squirrels carry the fruits down out of the bushes before eating them.

September 11

The mornings are becoming a trifle chilly. This morning about half an hour after sun-light struck the valley floor I saw a Gray Squirrel scampering across the road with long wisps of grass standing out on both sides of his mouth. He carried his load to the top of a black oak and disappeared with it into a hole. Twice within the past few days I have seen other Gray Squirrels carrying home loads of grass stems.

September 16

A live ♂ Flying Squirrel was brought to me this ~~morning~~ evening by Mrs Miller, who says that it fell from the nest-hole, high up in a black oak near the government stables, this morning. It is about one-third grown.

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and closely resembles the adults in appearance, save for the the tail which is much narrower and of a blackish gray.

September 19.

This afternoon at 3:30 started for Columbia Rock with the children. At the foot of the trail (very near the 3989 ft. base mark) Willard discovered fresh bear tracks. They were of a large bear and a cub. We traced them up the trail two turns beyond the spring, and there the bears apparently turned into the rocks. We think the cub was in the lead as it's foot-prints were occassionally reversed as tho it had stopped and turned about to wait for the parent, whose tracks were all headed up trail. About half way along the tracks we came upon about a pint of freshly dropped and semi-solid faeces, blackish in color and

Yosemite, Calif.

containing many seeds of the now-ripened coffee berry (Rhamnus

Birds of interest seen were: four Band-tailed Pigeons, flying over the golden-oak talus slope; a flock of about twenty-five Violet-Green Swallows, twittering as they circled high over the meadows; and four White-throated Swifts, darting about high over the talus slope.

It has been suggested to us that a young mammal, when brought up by hand is more apt to thrive upon "Eagle Brand" condensed milk than upon the unsweetened condensed milk or upon cow's milk; so we are trying the first-named upon the Flying Squirrel. He takes it very readily and rouses instantly when I squeaked at, either by day or night, altho he is liveliest at night,

Yosemite, Calif.

Sept. 26

Almost daily I see Band-tailed Pigeons flying overhead, sometimes singly and sometimes in small flocks. This morning a flock of twelve flew over the house. For the first time this season I saw Juncos flocking today.

The little Flying Squirrel was found dead this morning.

Flying Squirrel 136 ♂ juv. with skull
187 x 90 x 28

Oct. 10

Band-tailed Pigeons are still common. I saw about fifty, in flocks of from three to twelve, feeding among the golden oaks back of Camp Ahwahnee this afternoon.

Oct. 15

Saw the first Bluebirds for the season today. A flock of about twenty-five were on Sentinel meadow just back of the hotel.

Yosemite, Calif.

Oct. 22

Observed today the first Meadowlark I have seen during six months residence in the Valley. A single individual was flying about the meadow back of Sentinel Hotel. The bird was apparently catching grasshoppers, which are very abundant in the short meadow grass.

Nov. 7.

Band-tailed Pigeons have been notably scarce since about Oct. 15, but today I noticed three flying overhead, the first I have seen for a week.

Nov. 14

Left cottage 60 at 10: a.m. and walked down along the road on this side of the river to El Capitan bridge; then up the Big Oak Flat road about 2 miles to B.M. 4943 ft. elevation, reaching there at 2: p.m. The sky was overcast with cirrus clouds thru which the sun occassionally broke. Patches of snow lay on shady

MUSEUM OF VERTEBRATE ZOOLOGY

CENSUS SHEET p. 37

Locality Yosemite, Calif

Date Nov. 14, 1915

Observer H. W. Grinnell

Time in field 10:00 am to 1:00 P.m

Approximate no. miles five

Nature of route (zone, fauna, associations) along north side of Merced river from Camp Yosemite to Big 4243 ft by Big Oak Flat road. Transition along valley floor but a slight infusion of Upper Sonoran along Big Oak Flat road.

Weather Cool and semi-cloudy

Species / Hours	10:00	11:00	12:00			Totals
Blue-fronted Jay	1111		111			7
Golden-crowned Kinglet	1111 (3)	11 (4)				13
Junco	111	(2)				5
Red-shafted Flicker	1					1
Winter Wren	1		1			2
Blue Bird		(10) (9)	(16)			35
Cabanis Woodpecker		1				1
Golden-crowned Sparrow		(2)				2
Chickadee		1				1
Hutton Vireo		(2)				2
Great Blue Heron		(2)				2
Calif. Bush-tit			(12)			12
Gray Squirrel	1					1
Ground Squirrel			4			4
Chipmunk			1			1
TOTALS (hourly and grand)	17	35	37			89

ground and the road was frozen,
with the exception of the Big Oak Flat
road. All birds seen up to one
o'clock are listed on the accompany-
ing census sheet. Those unrecorded
are: a flock of at least five Band-
tailed Pigeons, which were startled
from a golden oak beside the road at
about 4900 ft elevation; a company of
thirteen Blue Birds seen flying over
Bridal Veil Meadow; a wren-tit
heard scolding on the Oak Flat grade
and a second flock of about a dozen
Bushtits seen in a golden oak
along the grade (the flock listed
in the census were seen foraging
in a black oak at the foot of the
grade). The ground squirrels
were all seen about the rock-
slides along the Big Oak Flat road
near the Zig-zag.

Grinnell, H. W.
Mineral, Tehama Co., Calif.
1925

Grinnell, H. W.
Mineral, Tehama Co., Calif.
July 11 – Aug. 3, 1925

pp41-58

July 11

This afternoon we left camp at 6:30 p.m. and walked down past the chickadee stub at the meadow edge. The young were very well-feathered but still in the nest. Across the meadow the tolmie warbler (see J.G.p.) was flushed from her nest which contained four eggs, as on July 8th. We found a robins nest in an alder by a little stream thru the meadow. The alder stood alone and was rather sparsely foliaged, so the nest, about 11 feet up, 321.5 millimeters, actual measurement, was very conspicuous. Stuart climbed to it and found it to contain two eggs. No parent was seen.

In the edge of a meadow (very near the "powder house" in the hillside) we alarmed a pair of lazuli buntings. Both were so concerned that we searched the clumps of young willows near by and soon found the nest, about twenty inches above the ground in a thick young willow clump. It held four full-fledged young. One left the nest before we could retreat! Just at dusk we saw two Jack rabbits cross the main highway.

July 13

Yesterday we left camp at 9:00 a.m. and went up the Broke-off trail to where Martin Creek issues from the rocks. On the way we visited the Sierra Hermit Thrush's nest found by J. G. on July seventh. It was empty and apparently deserted. At about the point where J. G. flushed a Sierra Grouse on the seventh we startled a brood of very young grouse less than a week old, I should say. We counted five before they disappeared into the brush on the left-hand side of the trail. We did not see the female, or hear her call until all the young had disappeared from view. Then we heard her clucking and calling and leading them further from the trail.

Shortly afterward on that same manzanita slope Molly picked up several porcupine quills lying in the middle of the trail.

In the afternoon as we came down the trail we startled a female Sierra Grouse from the trail

side. As she whined away four young took flight in slightly different directions. Molly says it was the exact spot where she and J.G. startled the female with the very young brood of seven of June seventeenth.

July 15

Yesterday Mr Laws, deputy game warden with headquarters at Red Bluff, called to see J.G. He had just been up at the ranger's office looking over the maps and planning trout plantings. He says that there are sixty miles of stream in the vicinity of Mineral which should be planted. According to him the Red Bluff Chamber of Commerce has maneuvered to have previous plantings put into the streams much nearer Red Bluff, so fishing at Mineral is poor. We asked him about the planting of the small lake below Mt Turner, mentioned to us on July 3, by Mr Stark, ranger stationed in the fire-lookout on Mt Turner. Mr Laws replied that the little lake was stocked several

July 15

years ago with rainbow trout, which according to his experience do not thrive in land-locked water. He hopes to plant five small lakes near Mt Turner with brook-trout this fall, but says it will be about seven years before there is good fishing in the planted lakes.
Mr Turner says that the best fishing near Mineral is at Manzanita Lake.

At five oclock we left camp, with a picnic supper and went down over the same route taken by us at six-thirty on July 11. The young chickadees in the stub by the meadow edge were apparently all dead, but both parents were near at hand and resented our visit. One parent entered the hole with food as we watched from a distance of a hundred feet.

At the tolmie's nest no bird was about and the nest itself was tipped to one side. Half an egg shell was in plain view and one whole egg was hidden beneath debris,

otherwise the nest was empty.

Stuart climbed to the robin's nest in the alder. There were only two eggs still, and no parent was about.

Next we visited the site of the lazuli bunting's nest and found it empty, but the four young and both parents were seen in a near-by thicket. The nest rim proved, by actual measurement, to be just twenty-five inches above the ground!

As I stooped to measure the lazuli's nest the children flushed a mountain quail from a nearby willow clump. It flew about thirty feet up the hillside and perched on the ditch bank, where it remained, motionless except for noddings of the head, as long as we were in the vicinity. However, it kept up a continuous series of notes, some directed to us, evidently, and some to the brood of chicks which we heard scurrying to safety. Molly saw two of them and reports that "they were quite small with

wing feathers just beginning to grow."

On our way home we crossed a "dismal swamp" of perhaps six acres in extent and bordered on one side by the open meadow and on the other by clumps of very old willows by the main creek. In the swamp a few living and many dead lodge-pole pines were standing while the ground was so thickly strewn with dead lodge-pole pines that we crossed the swamp by walking on them, rarely touching foot to the mossy ground around the very numerous stagnant pools. A little spirea (Spiraea densiflora) and many vigorous thickets of labrador tea (Ledum glandulosum) grew here. In this association bird life seemed absent save for several wood pewees.

Of all the food which we put on the old log near camp musk melon seeds meet with greatest favor. The chipmunks and ground squirrel will touch nothing else while the melon seed supply

lasts. The chipmunks shell out each seed, usually standing on their hind legs, before eating it, and apparently carrying away nothing; while the ground squirrel shells out nothing but stuffs seeds into her cheek pouches until they bulge most amazingly and then whisks off into the brush.

On June (see note-book J. G. page 246) we discovered a chick-adees nest on the under side of a leaning stub near camp. The parents have always remained in this vicinity and we have seen the full grown young about. This morning I noted a chickadee still carrying food, so re examined the old stub. All was quiet when I tapped it, but a moment later an adult chickadee flew out carrying an excrement sac. I sat down under a nearby bush to watch the nest hole and a moment later heard the soft notes of a mountain quail convoying young. I "froze" and in about one minute

four foraging young, about as big as hens eggs, came from behind scratching and pecking. When the nearest was within eighteen inches of my knee the unseen parent, somewhere behind me, clucked a different note and the chicks retreated cautiously, to be led quietly away by the parent. I am sure that there were more young in the brood than I saw.

Just before 9:00 a.m. Richard and I sat down under a bush a dozen feet from the <u>chickadees</u> nest to record feedings which were as follows:

8:59 in with food; out at once.
9:03 " " " " " "
9:07 " " " " " "
9:08 " " " " " "
9:10 " " "; staid 30 seconds
9:11 " " " " 7 minutes
9:18 " " " both parents out, one with excrement
9:21 " " "; out at once
9:22 " " " " " "
9:25½ in " "; out with excrement
9:29½ " " ";

Mineral, 4800 ft.

July 15

Sometimes one parent would pause an instant on a small tree near the nest entrance but at the entrance itself they did not hesitate at all, popping in and out so fast it was usually impossible to identify the food they carried.

July 16

Yesterday afternoon when passing the Wright Flycatcher nest just above camp (see notebook J.G. page 249?) I was surprised to see a Wright Flycatcher sitting. When flushed from the nest she flew to a nearby twig and returned to her brooding as soon as I withdrew. There were three eggs in the nest.

At about sixthirty last evening we went down to the Chickadee's nest at the meadow edge for one more look. We cut into it a little way and found that two of the young, at least, were alive. We tied the strip of wood we had just removed back in place and before departing waited until we had seen the parents feed several times.

On down the meadow we

July 16

flushed the robin from her nest, which still contained but two eggs.

July 19

Last evening we visited the chickadee stub at the meadow edge and found it empty. I am not sure whether the young we once thought dead (see page 44) were feigning death or were really prostrated by the heat, for the air was very warm and sultry.

The robin in the alder slipped from her nest before we reached it, but watched anxiously from a nearby pine while Molly climbed to the nest. The two eggs were as yet unhatched.

This morning I left camp at 9:00 a.m. to look for nests. Half a mile from camp down toward the old road I was scolded by a chipping sparrow. As she waited for me to go on she sat on the nearby telephone wire and fussed at the [illegible] of her nest. A search of the near vicinity revealed it, about five feet up in a seven-foot yellow pine. The nest was close the main trunk and well

920 millimeters actual measurement

hidden by a luxurious growth of needles. It contained two newly-hatched young and two eggs.

A few hundred feet beyond the chipping-sparrows' nest I flushed a green-tailed towhee from her nest. I heard the flirt of wings as she dived off the nest and down into the brush. When at least six feet away from the nest she began to scold. The nest contained three eggs and was about three feet# above the ground near the southern edge of a fine clump of ceanothus.

Birds are much quieter than a week ago. Fox-sparrows sing occasionally but I have found no recent nestings. Yesterday I searched the thickets very carefully near the perch of a singing bird and found a nest from which the young had long flown. A Sierra hermit thrush sings daily down near where J.G. found a nest on June 13 (see J.G. notes for skull. Nos. 2498, 2509) and where three out of a brood of four were raised.

July 19

Chickadees sing every day and at any hour and in any direction, wherever one may be.

A walk thru the brush [illegible] draws down upon one much adverse criticism, for altho birds are not singing much they are by no means voiceless and are still caring for young not long out of the nest. Yesterday when scolded by an adult tolmie warbler I "squeaked" out of the nearby thicket two young not long out of the nest. This morning the solicitude of a Wright (?) fly catcher attracted my attention to a youngster in a ceonothus bush, hardly able to fly.

We hear the grouse "boont" as often as we did in June.

5:30 P.M. We have just been down to the chipping-sparrow's nest found this morning. There are now three young and one egg.

July 21

The fourth egg in the chipping sparrow's nest has hatched.

Both of the adult chickadees aid in keeping the nest clean; yesterday one followed the other very closely in coming out of the nest cavity and each carried an excrement sac.

July 26.

Yesterday morning found that all the young chipping sparrows had disappeared; possibly a blue jay was responsible as there have been one or two about lately.

We found three young in the green-tailed towhee's nest.

The two robins eggs have not hatched yet, neither have the Wright flycatcher eggs in the nest above camp.

July 28.

Yesterday we were away from camp all day and while we were gone two of the three eggs in the Wright flycatcher's nest disappeared. When I approached the nest about six o'clock in the evening the female flushed

July 28

while I was twenty feet away, whereas she used to permit a very close approach. Today she sat very closely and at noon I saw the male sitting on the nest edge feeding her. This afternoon the single remaining egg hatched.

I spent half an hour after lunch at the Chickadees' nest. The young were very restless, calling a great deal, fluttering their wings and with the heads of one or two appearing constantly at the nest hole. It was very easy to distinguish them from the adults by the yellow showing plainly at the base of the bill. The adults were both feeding at short intervals, altho it was noon time and most birds were quiet and inactive.

July 29

The young Chickadees have left the nest stub.

The young Wright Flycatcher is flourishing

Mineral, 4800 ft.
August 3.

The young green-tailed towhees have disappeared from the nest.
The single young Wright flycatcher in the nest above camp is flourishing most wonderfully, the idol of two doting parents, but since we are returning to Berkeley tomorrow his further history must remain unchronicled.